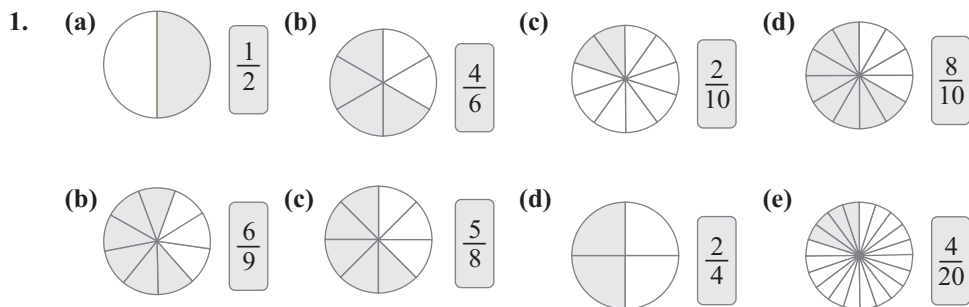


Exercise-7.5



2. $\frac{2}{10}$ $\frac{4}{8}$ $\frac{7}{6}$ $\frac{5}{9}$ $\frac{1}{5}$ $\frac{3}{7}$ $\frac{4}{9}$ $\frac{2}{11}$ $\frac{1}{9}$ $\frac{7}{10}$

3. (a) Like fraction $\frac{1}{7}, \frac{2}{7}, \frac{3}{7}, \frac{4}{7}, \frac{5}{7}$ (b) Unlike fraction $\frac{2}{4}, \frac{4}{7}, \frac{6}{9}, \frac{5}{6}, \frac{3}{8}$
4. (a) $\frac{2}{9}, \frac{3}{9}$ (b) $\frac{4}{5}, \frac{3}{4}$ (c) $\frac{2}{7}, \frac{4}{8}$ (d) $\frac{1}{6}, \frac{5}{6}$
- like unlike unlike like
5. (a) $\frac{1}{4} = \frac{2}{8}$ (b) $\frac{1}{3} = \frac{4}{12}$ (c) $\frac{3}{5} = \frac{12}{20}$ (d) $\frac{1}{4} = \frac{9}{36}$
7. (a) $\frac{1}{5} = \frac{2}{10} = \frac{3}{15}$ (b) $\frac{1}{6} = \frac{2}{12} = \frac{3}{18}$
- (a) $\frac{3}{5} = \frac{6}{10} = \frac{18}{30}$ (b) $\frac{1}{10} = \frac{2}{20} = \frac{3}{20}$

Exercise-7.6

1. (a) $\frac{3}{9} < \frac{5}{9}$ (b) $\frac{2}{5} < \frac{3}{5}$ (c) $\frac{1}{2} > \frac{1}{7}$
- (d) $\frac{9}{11} > \frac{9}{14}$ (e) $\frac{5}{6} > \frac{2}{6}$ (f) $\frac{4}{6} > \frac{4}{8}$
2. greatest smallest Greatest smallest
- (a) $\frac{1}{4}$ $\frac{1}{12}$ $\frac{6}{7}$ $\frac{2}{7}$
- (b) $\frac{3}{4}$ $\frac{3}{16}$ $\frac{12}{15}$ $\frac{5}{15}$
3. (a) $\frac{4}{12} < \frac{5}{12} < \frac{6}{12} < \frac{8}{12}$ (b) $\frac{1}{5} < \frac{1}{4} < \frac{1}{3} < \frac{1}{2}$
- (c) $\frac{1}{5} < \frac{2}{5} < \frac{3}{5} < \frac{4}{5}$
4. (a) $\frac{2}{3} > \frac{2}{4} > \frac{2}{5} > \frac{2}{7}$ (b) $\frac{1}{2} > \frac{1}{5} > \frac{1}{6} > \frac{1}{7}$

Quotient = 1272
Remainder = 1

(c) $7863 \div 7$

$$\begin{array}{r} 7 \overline{) 7863} \quad (1123 \\ \underline{7} \\ 08 \\ \underline{7} \\ 16 \\ \underline{14} \\ 23 \\ \underline{21} \\ 2 \end{array}$$

Quotient = 122
Remainder = 2

(d) $4248 \div 3$

$$\begin{array}{r} 3 \overline{) 4248} \quad (1416 \\ \underline{3} \\ 12 \\ \underline{12} \\ 04 \\ \underline{3} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

Quotient = 1123
Remainder = 2

4. (a)

H T O
4 <u>7</u> 3
- 2 1 <u>4</u>
<u>6</u> <u>8</u> <u>7</u>

Quotient = 1416
Remainder = 0

(b)

H T O
3 8 <u>3</u>
+ 4 <u>0</u> 6
<u>7</u> 8 9

5. (a) $238 - 103 + 616 = 751$

$$\begin{array}{r} 238 \\ - 103 \\ \hline 135 \end{array} \quad \begin{array}{r} 135 \\ + 616 \\ \hline 751 \end{array}$$

(b) $632 + 115 - 486 = 261$

$$\begin{array}{r} 632 \\ + 115 \\ \hline 747 \end{array} \quad \begin{array}{r} 747 \\ - 486 \\ \hline 261 \end{array}$$

(c) $808 - 345 + 107 = 570$

$$\begin{array}{r} 808 \\ - 345 \\ \hline 463 \end{array} \quad \begin{array}{r} 463 \\ + 107 \\ \hline 570 \end{array}$$

(d) $245 + 618 - 723 = 140$

$$\begin{array}{r} 245 \\ + 618 \\ \hline 863 \end{array} \quad \begin{array}{r} 863 \\ - 723 \\ \hline 140 \end{array}$$

6. (a) $V + IV = 5 + 4 = 9$
(c) $XIX + X = 19 + 10 = 29$

(b) $XXX + IV = 30 + 4 = 34$
(d) $X + I = 10 + 1 = 11$

3. (a) $\frac{1}{6} < \frac{1}{5} < \frac{1}{2}$
(c) $\frac{2}{7} < \frac{2}{5} < \frac{2}{3}$

(b) $\frac{3}{10} < \frac{3}{8} < \frac{3}{7}$
(d) $\frac{5}{11} < \frac{5}{9} < \frac{5}{6}$

8. $\left(\frac{3}{9}\right), \frac{4}{8}, \frac{5}{9}, \frac{7}{6}, \left(\frac{5}{9}\right), \frac{1}{5}, \frac{3}{7}, \left(\frac{4}{9}\right), \frac{2}{11}, \left(\frac{1}{9}\right), \frac{7}{11}$

9. (a) $\frac{1}{7}, \frac{2}{7}, \frac{3}{7}, \frac{4}{7}, \frac{5}{7}$ are like fraction

(b) $\frac{2}{4}, \frac{4}{7}, \frac{5}{8}, \frac{6}{11}, \frac{7}{5}$ are unlike fraction

8.LENGTH

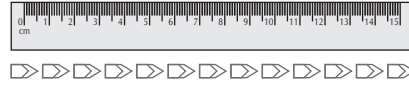
Exercise-8.1

1. (a)



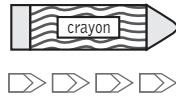
The pencil is as long as 7 clips.

(b)



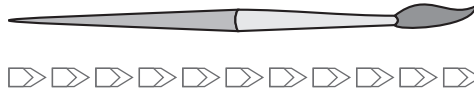
The ruler is as long as 13 clips.

(c)



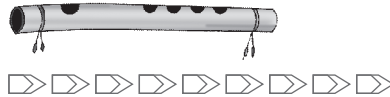
The crayon is as long as 4 clips.

(d)



The paintbrush is as long as 11 clips.

(e)



The flute is as long as 9 clips.

(f) Which one among the above is the longest? (b)

(g) Which one among the above is the shortest? (c)

Activity

- | | | |
|-----|--------------------------|-------|
| (a) | Length of a table | 2 m |
| (b) | Length of an earthworm. | 6 cm |
| (c) | Height of a flagpole. | 5 m |
| (d) | Height of a coconut tree | 10 m |
| (e) | Length of a shoelace | 30 cm |

Exercise-8.2

1. (a) $1 \text{ km} = 1000 \text{ m}$
 (b) $1 \text{ cm} = 10 \text{ mm}$
 (c) $1 \text{ m} = 100 \text{ cm}$
 (d) km is the unit used to measure distance between two cities.
 (e) cm is the unit used to measure very small things.
2. (a) $5 \text{ m} = 5 \times 100 \text{ cm}$
 $5 \text{ m} = 500 \text{ cm}$
- (b) $9 \text{ m } 6 \text{ cm} = 9 \times 100 \text{ cm} + 6 \text{ cm}$
 $= 900 \text{ cm} + 6 \text{ cm}$
 $9 \text{ m } 6 \text{ cm} = 906 \text{ cm}$
- (c) $5 \text{ m } 16 \text{ cm} = 5 \times 100 \text{ cm} + 16 \text{ cm}$
 $= 500 \text{ cm} + 16 \text{ cm}$

$$\begin{aligned} \text{(d)} \quad 80 \text{ m } 80 \text{ cm} &= 80 \times 100 \text{ cm} + 80 \text{ cm} \\ &= 8000 \text{ cm} + 80 \text{ cm} \end{aligned}$$

$$80 \text{ m } 80 \text{ cm} = 8080 \text{ cm}$$

$$\begin{aligned} \text{(e)} \quad 6 \text{ m } 63 \text{ cm} &= 6 \times 100 + 63 \text{ cm} \\ &= 600 \text{ cm} + 63 \text{ cm} \end{aligned}$$

$$6 \text{ m } 63 \text{ cm} = 663 \text{ cm}$$

$$\begin{aligned} \text{(f)} \quad 16 \text{ m } 27 \text{ cm} &= 16 \times 100 \text{ cm} + 27 \text{ cm} \\ &= 1600 \text{ cm} + 27 \text{ cm} \end{aligned}$$

$$16 \text{ m } 27 \text{ cm} = 1627 \text{ cm}$$

$$\begin{aligned} \text{3. (a)} \quad 5 \text{ km} &= 5 \times 1000 \text{ m} \\ 5 \text{ km} &= 5000 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad 900 \text{ cm} &= 900 \div 100 \text{ m} \\ 900 \text{ cm} &= 9 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{(e)} \quad 2 \text{ km } 86 \text{ m} &= 2 \times 1000 \text{ m} + 86 \text{ m} \\ &= 2000 \text{ m} + 86 \text{ m} \end{aligned}$$

$$2 \text{ km } 86 \text{ m} = 2086 \text{ m}$$

$$\begin{aligned} \text{4. (a)} \quad 9835 \text{ cm} &= 9800 + 35 \text{ cm} \\ &= 9800 \div 100 \text{ m} + 35 \text{ cm} \end{aligned}$$

$$9835 \text{ cm} = 98 \text{ m } 35 \text{ cm}$$

$$\begin{aligned} \text{(c)} \quad 860 \text{ cm} &= 800 \text{ cm} + 60 \text{ cm} \\ 800 \div 100 \text{ m} + 60 \text{ cm} \\ &= 8 \text{ m} + 60 \text{ cm} \end{aligned}$$

$$860 \text{ cm} = 8 \text{ m } 60 \text{ cm}$$

$$\begin{aligned} \text{(e)} \quad 1923 \text{ cm} &= 1900 \text{ cm} + 23 \text{ cm} \\ &= 1900 \div 100 \text{ m} + 23 \text{ cm} \\ &= 19 \text{ m} + 23 \text{ cm} \end{aligned}$$

$$1923 \text{ cm} = 19 \text{ m } 23 \text{ cm}$$

$$\begin{aligned} \text{5. (a)} \quad 3000 \text{ m} &= 3000 \div 1000 \text{ km} \\ 3000 \text{ m} &= 3 \text{ km} \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad 19000 \text{ m} &= 19000 \div 1000 \text{ km} \\ &= 19 \text{ km} \end{aligned}$$

$$\begin{aligned} \text{6. (a)} \quad 6985 \text{ m} &= 6000 \text{ m} + 985 \text{ m} \\ &= 6000 \div 1000 \text{ km} + 985 \text{ m} \\ &= 6 \text{ km} + 985 \text{ m} \end{aligned}$$

$$6985 \text{ m} = 6 \text{ km } 985 \text{ m}$$

$$\begin{aligned} \text{(c)} \quad 1030 \text{ m} &= 1000 \text{ m} + 30 \text{ m} \\ &= 1000 \div 1000 \text{ km} + 30 \text{ m} \\ &= 1 \text{ km} + 30 \text{ m} \end{aligned}$$

$$1030 \text{ m} = 1 \text{ km } 30 \text{ m}$$

$$\begin{aligned} \text{(b)} \quad 3 \text{ km } 180 \text{ m} &= 3 \times 1000 \text{ cm} + 180 \text{ m} \\ &= 3000 \text{ m} + 180 \text{ m} \end{aligned}$$

$$3 \text{ km } 180 \text{ m} = 3180 \text{ m}$$

$$\begin{aligned} \text{(d)} \quad 500 \text{ cm} &= 500 \div 100 \text{ m} \\ 500 \text{ cm} &= 5 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{(f)} \quad 4 \text{ km } 670 \text{ m} &= 4 \times 1000 \text{ m} + 670 \text{ m} \\ &= 4000 \text{ m} + 670 \text{ m} \end{aligned}$$

$$4 \text{ km } 670 \text{ m} = 4670 \text{ m}$$

$$\begin{aligned} \text{(b)} \quad 3430 \text{ cm} &= 3400 \text{ cm} + 30 \text{ cm} \\ &= 3400 \div 100 \text{ m} + 30 \text{ cm} \\ &= 34 \text{ m} + 30 \text{ cm} \end{aligned}$$

$$3430 \text{ cm} = 34 \text{ m } 30 \text{ cm}$$

$$\begin{aligned} \text{(d)} \quad 1290 \text{ cm} &= 1200 \text{ cm} + 90 \text{ cm} \\ &= 1200 \div 100 \text{ m} + 90 \text{ cm} \\ &= 12 \text{ m} + 90 \text{ cm} \end{aligned}$$

$$1290 \text{ cm} = 12 \text{ m } 90 \text{ cm}$$

$$\begin{aligned} \text{(f)} \quad 7065 \text{ cm} &= 7000 \text{ cm} + 65 \text{ cm} \\ &= 7000 \div 100 \text{ m} + 65 \text{ cm} \\ &= 70 \text{ m} + 65 \text{ cm} \end{aligned}$$

$$7065 \text{ cm} = 70 \text{ m } 65 \text{ cm}$$

$$\begin{aligned} \text{(b)} \quad 5000 \text{ m} &= 5000 \div 1000 \text{ km} \\ 5000 \text{ m} &= 5 \text{ km} \end{aligned}$$

$$\begin{aligned} \text{(d)} \quad 22000 \text{ m} &= 22000 \div 1000 \text{ km} \\ 22000 \text{ m} &= 22 \text{ km} \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad 5859 \text{ m} &= 5000 \text{ m} + 859 \text{ m} \\ &= 5000 \div 1000 \text{ km} + 859 \text{ m} \\ &= 5 \text{ km} + 859 \text{ m} \end{aligned}$$

$$5859 \text{ m} = 5 \text{ km } 859 \text{ m}$$

$$\begin{aligned} \text{(d)} \quad 9100 \text{ m} &= 9000 \text{ m} + 100 \text{ m} \\ &= 9000 \div 1000 \text{ km} + 100 \text{ m} \\ &= 9 \text{ km} + 100 \text{ m} \end{aligned}$$

$$9100 \text{ m} = 9 \text{ km } 100 \text{ m}$$

$$\begin{array}{ll}
 \text{(e)} & 2120 \text{ m} = 2000 \text{ m} + 120 \text{ m} \\
 & = 2000 \div 1000 \text{ km} + 120 \text{ m} \\
 & = 2 \text{ km} + 120 \text{ m} \\
 & 2120 = 2 \text{ km } 120 \text{ cm} \\
 \text{(f)} & 7003 \text{ m} = 7000 \text{ m} + 3 \text{ m} \\
 & = 7000 \div 1000 \text{ km} + 3 \text{ m} \\
 & = 7 \text{ km} + 3 \text{ m} \\
 & 7003 \text{ m} = 7 \text{ km } 3 \text{ m}
 \end{array}$$

Exercise-8.3

$$\begin{array}{lll}
 \text{1. (a)} & \begin{array}{r} \text{m} \quad \text{cm} \\ 56 \quad 36 \\ +23 \quad 87 \\ \hline 80 \quad 23 \end{array} & \text{(b)} \quad \begin{array}{r} \text{m} \quad \text{cm} \\ 92 \quad 98 \\ + 32 \quad 78 \\ \hline 125 \quad 76 \end{array} & \text{(c)} \quad \begin{array}{r} \text{m} \quad \text{cm} \\ 28 \quad 63 \\ + 10 \quad 2 \\ \hline 38 \quad 65 \end{array} \\
 & 80 \text{ m } 23 \text{ cm} & 125 \text{ m } 76 \text{ cm} & 38 \text{ m } 65 \text{ cm} \\
 \text{(d)} & \begin{array}{r} \text{m} \quad \text{cm} \\ 335 \quad 56 \\ + 238 \quad 10 \\ \hline 573 \quad 66 \end{array} & \text{(e)} \quad \begin{array}{r} \text{m} \quad \text{cm} \\ 185 \quad 73 \\ + 239 \quad 62 \\ \hline 425 \quad 35 \end{array} & \\
 & 573 \text{ m } 66 \text{ cm} & 425 \text{ m } 35 \text{ cm} &
 \end{array}$$

$$\begin{array}{ll}
 \text{2. (a)} & \begin{array}{l} 36 \text{ m } 18 \text{ cm} = 36 \times 100 \text{ m} + 18 \text{ cm} = 3600 \text{ m} + 18 \text{ m} = 3618 \text{ cm} \\ 158 \text{ m } 83 \text{ cm} = 158 \times 100 \text{ cm} + 83 \text{ cm} = 15800 \text{ cm} + 83 \text{ cm} = 15883 \text{ cm} \\ 140 \text{ m } 36 \text{ cm } 140 \times 100 \text{ cm} + 36 \text{ cm} = 1400 \text{ cm} + 36 \text{ cm} = 14036 \text{ cm} \\ \hline 33537 \text{ cm} \end{array}
 \end{array}$$

$$\begin{array}{l}
 \therefore 33537 \text{ m} = 33500 \text{ cm} + 37 \text{ cm} \\
 = 33500 \div 100 \text{ m} + 37 \text{ cm} \\
 = 335 \text{ m} + 37 \text{ cm} \\
 = 335 \text{ m } 37 \text{ cm}
 \end{array}$$

$$\begin{array}{ll}
 \text{(b)} & \begin{array}{l} 386 \text{ m } 48 \text{ cm} = 386 \times 100 \text{ cm} + 48 \text{ cm} = 38600 \text{ cm} + 48 \text{ cm} = 38648 \text{ cm} \\ 456 \text{ m } 18 \text{ cm} = 456 \times 100 \text{ cm} + 18 \text{ cm} = 45600 \text{ cm} + 18 \text{ cm} = 45618 \text{ cm} \\ \hline 84266 \text{ cm} \end{array}
 \end{array}$$

$$\begin{array}{l}
 \therefore 84266 \text{ cm} = 84200 \text{ cm} + 66 \text{ cm} \\
 = 84200 \div 100 \text{ m} + 66 \text{ cm} \\
 = 842 \text{ m} + 66 \text{ cm} \\
 = 842 \text{ m } 66 \text{ cm}
 \end{array}$$

$$\begin{array}{ll}
 \text{(c)} & \begin{array}{l} 137 \text{ m } 90 \text{ cm} = 137 \times 100 \text{ cm} + 90 \text{ cm} = 13700 \text{ cm} + 90 \text{ cm} = 13790 \text{ cm} \\ 328 \text{ m } 56 \text{ cm} = 328 \times 100 \text{ cm} + 56 \text{ cm} = 32800 \text{ cm} + 56 \text{ cm} = 32856 \text{ cm} \\ 315 \text{ m } 16 \text{ m} = 315 \times 100 \text{ cm} + 16 \text{ cm} = 31500 \text{ cm} + 16 \text{ cm} = 31516 \text{ cm} \\ \hline 78162 \text{ cm} \end{array}
 \end{array}$$

$$\begin{array}{l}
 \therefore 78162 \text{ cm} = 78100 \text{ cm} + 62 \text{ cm} \\
 = 78100 \div 100 \text{ m} + 62 \text{ cm} \\
 = 781 \text{ m} + 62 \text{ cm} \\
 = 781 \text{ m } 62 \text{ cm}
 \end{array}$$

$$\begin{array}{r}
 \text{(d)} \quad 108 \text{ m } 52 \text{ cm} = 108 \times 100 \text{ cm} + 52 \text{ cm} = 10800 \text{ cm} + 52 \text{ cm} = 10852 \text{ cm} \\
 296 \text{ m } 86 \text{ cm} = 296 \times 100 \text{ cm} + 86 \text{ cm} = 29600 \text{ cm} + 86 \text{ cm} = 29686 \text{ cm} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 40538 \text{ cm} &= 40500 \text{ cm} + 38 \text{ cm} \\
 &= 40500 \div 100 \text{ m} + 38 \text{ cm} \\
 &= 405 \text{ m} + 38 \text{ cm} \\
 &= 405 \text{ m } 38 \text{ cm}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(e)} \quad 56 \text{ m } 38 \text{ cm} = 56 \times 100 \text{ cm} + 38 \text{ cm} = 5600 \text{ cm} + 38 \text{ cm} = 5638 \text{ cm} \\
 168 \text{ m } 39 \text{ cm} = 168 \times 100 \text{ cm} + 39 \text{ cm} = 16800 \text{ cm} + 39 \text{ cm} = 16839 \text{ cm} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 22477 \text{ cm} &= 22400 \text{ cm} + 77 \text{ cm} \\
 &= 22400 \div 100 \text{ m} + 77 \text{ cm} \\
 &= 224 \text{ m} + 77 \text{ cm} \\
 &= 224 \text{ m } 77 \text{ cm}
 \end{aligned}$$

$$\begin{array}{r}
 \text{3 (a)} \quad 276 \text{ km } 887 \text{ m} = 276 \times 1000 \text{ m} + 887 \text{ m} = 276000 \text{ m} + 887 \text{ m} = 276887 \text{ m} \\
 193 \text{ km } 385 \text{ m} = 193 \times 1000 \text{ m} + 385 \text{ m} = 193000 \text{ m} + 385 \text{ m} = 193385 \text{ m} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 470272 \text{ m} &= 470000 \text{ m} + 272 \text{ m} \\
 &= 470000 \div 1000 \text{ km} + 272 \text{ m} \\
 &= 470 \text{ km } 272 \text{ m}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(b)} \quad 681 \text{ km } 750 \text{ m} = 681 \times 1000 \text{ m} + 750 \text{ m} = 681000 \text{ m} + 750 \text{ m} = 681750 \text{ m} \\
 200 \text{ km } 816 \text{ m} = 200 \times 1000 \text{ m} + 816 \text{ m} = 200000 \text{ m} + 816 \text{ m} = 200816 \text{ m} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 882566 \text{ m} &= 882000 \text{ m} + 566 \text{ m} \\
 &= 882000 \div 1000 \text{ km} + 566 \text{ m} \\
 &= 882 \text{ km} + 566 \text{ m} \\
 &= 882 \text{ km } 566 \text{ m}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(c)} \quad 39 \text{ km } 186 \text{ m} = 39 \times 1000 \text{ m} + 186 \text{ m} = 39000 \text{ m} + 186 \text{ m} = 39186 \text{ m} \\
 18 \text{ km } 276 \text{ m} = 18 \times 1000 \text{ m} + 276 \text{ m} = 18000 \text{ m} + 276 \text{ m} = 18276 \text{ m} \\
 408 \text{ km } 56 \text{ m} = 408 \times 1000 \text{ m} + 56 \text{ m} = 408000 \text{ m} + 56 \text{ m} = 408056 \text{ m} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 466508 \text{ m} &= 465000 \text{ m} + 508 \text{ m} \\
 &= 465000 \div 1000 \text{ km} + 508 \text{ m} \\
 &= 465 \text{ km} + 508 \text{ m} \\
 &= 465 \text{ km } 508 \text{ m}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(d)} \quad 57 \text{ km } 675 \text{ m} = 57 \times 1000 \text{ m} + 675 \text{ m} = 57000 \text{ m} + 675 \text{ m} = 57675 \text{ m} \\
 318 \text{ km } 156 \text{ m} = 318 \times 1000 \text{ m} + 156 \text{ m} = 318000 \text{ m} + 156 \text{ m} = 318156 \text{ m} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 375831 \text{ m} &= 375000 \text{ m} + 831 \text{ m} \\
 &= 375000 \div 1000 \text{ km} + 831 \text{ m}
 \end{aligned}$$



$$= 375 \text{ km} + 831 \text{ m} = 375 \text{ km } 831 \text{ m}$$

$$\begin{array}{r} \text{(e) } 235 \text{ km } 486 \text{ m} = 235 \times 1000 \text{ m} + 486 \text{ m} = 235000 \text{ m} + 486 \text{ m} = 235486 \text{ m} \\ 187 \text{ km } 186 \text{ m} = 187 \times 1000 \text{ m} + 186 \text{ m} = 187000 \text{ m} + 186 \text{ m} = 187186 \text{ m} \\ 26 \text{ km } 185 \text{ m} = 26 \times 1000 \text{ m} + 185 \text{ m} = 26000 \text{ m} + 185 \text{ m} = 26185 \text{ m} \\ \hline 448857 \text{ m} \end{array}$$

$$\begin{aligned} \therefore 448857 \text{ m} &= 448000 \text{ m} + 857 \text{ m} \\ &= 448000 \div 1000 \text{ km} + 857 \text{ m} \\ &= 448 \text{ km} + 857 \text{ m} \\ &= 448 \text{ km } 857 \text{ m} \end{aligned}$$

Exercise 8.4

<p>1. (a)</p> $\begin{array}{r} \text{m} \quad \text{cm} \\ 38 \quad 45 \\ - 19 \quad 60 \\ \hline 18 \quad 85 \\ \hline 18 \text{ m } 85 \text{ cm} \end{array}$	<p>(b)</p> $\begin{array}{r} \text{m} \quad \text{cm} \\ 71 \quad 82 \\ - 69 \quad 93 \\ \hline 1 \quad 89 \\ \hline 1 \text{ m } 89 \text{ cm} \end{array}$
---	--

<p>(c)</p> $\begin{array}{r} \text{km} \quad \text{m} \\ 400 \quad 386 \\ - 185 \quad 800 \\ \hline 214 \quad 586 \\ \hline 214 \text{ km } 586 \text{ m} \end{array}$	<p>(d)</p> $\begin{array}{r} \text{km} \quad \text{m} \\ 363 \quad 455 \\ - 278 \quad 908 \\ \hline 84 \quad 547 \\ \hline 84 \text{ km } 547 \text{ m} \end{array}$
--	--

2. (a) $86 \text{ m } 38 \text{ cm} = 86 \times 100 \text{ cm} + 38 \text{ cm} = 8600 \text{ cm} + 38 \text{ cm} = 8638 \text{ cm}$
 $18 \text{ m } 65 \text{ cm} = 18 \times 100 \text{ cm} + 65 \text{ cm} = 1800 \text{ cm} + 65 \text{ cm} = 1865 \text{ cm}$

$$\begin{array}{r} 8638 \text{ cm} \\ - 1865 \text{ cm} \\ \hline 6773 \text{ cm} \end{array}$$

$$\begin{aligned} \therefore 6773 \text{ cm} &= 6700 \text{ cm} + 73 \text{ cm} \\ &= 6700 \div 100 \text{ m} + 73 \text{ cm} \\ &= 67 \text{ m} + 73 \text{ cm} \\ &= 67 \text{ m } 73 \text{ cm} \end{aligned}$$

(b) $900 \text{ m } 80 \text{ cm} = 900 \times 100 \text{ cm} + 80 \text{ cm} = 90000 \text{ cm} + 80 \text{ cm} = 90080 \text{ cm}$
 $408 \text{ m } 61 \text{ cm} = 408 \times 100 \text{ cm} + 61 \text{ cm} = 40800 \text{ cm} + 61 \text{ cm} = 40861 \text{ cm}$

$$\begin{array}{r} 90080 \text{ cm} \\ + 40861 \text{ cm} \\ \hline 49219 \text{ cm} \end{array}$$

$$\begin{aligned} \therefore 49219 \text{ cm} &= 49200 \text{ cm} + 19 \text{ cm} \\ &= 49200 \div 100 \text{ m} + 19 \text{ cm} \\ &= 492 \text{ m} + 19 \text{ cm} \\ &= 492 \text{ m } 19 \text{ cm} \end{aligned}$$

(c) $365 \text{ m } 60 \text{ cm} = 365 \times 100 \text{ cm} + 60 \text{ cm} = 36500 \text{ cm} + 60 \text{ cm} = 36560 \text{ cm}$
 $185 \text{ m } 86 \text{ cm} = 185 \times 100 \text{ cm} + 86 \text{ cm} = 18500 \text{ cm} + 86 \text{ cm} = 18586 \text{ cm}$

$$\begin{array}{r} 36560 \text{ cm} \\ + 18586 \text{ cm} \\ \hline 17974 \text{ cm} \end{array}$$

$$\begin{aligned}\therefore 17974 \text{ cm} &= 17900 \text{ cm} + 74 \text{ cm} \\ &= 17900 \div 100 \text{ m} + 74 \text{ cm} \\ &= 179 \text{ m} + 74 \text{ cm} \\ &= 179 \text{ m } 74 \text{ cm}\end{aligned}$$

$$\begin{array}{r} \text{(d)} \quad 94 \text{ m } 31 \text{ cm} = 94 \times 100 \text{ cm} + 31 \text{ cm} = 9400 \text{ cm} + 31 \text{ cm} = 9431 \text{ cm} \\ 49 \text{ m } 13 \text{ cm} = 49 \times 100 \text{ cm} + 13 \text{ cm} = 4900 \text{ cm} + 13 \text{ cm} = 4913 \text{ cm} \\ \hline 4518 \text{ cm} \end{array}$$

$$\begin{aligned}\therefore 4518 \text{ cm} &= 4500 \text{ cm} + 18 \text{ cm} \\ &= 4500 \div 100 \text{ m} + 18 \text{ cm} \\ &= 45 \text{ m} + 18 \text{ cm} \\ &= 45 \text{ m } 18 \text{ cm}\end{aligned}$$

$$\begin{array}{r} \text{3. (a)} \quad 708 \text{ km } 696 \text{ m} = 708 \times 1000 \text{ m} + 696 \text{ m} = 708000 \text{ m} + 696 \text{ m} = 708696 \text{ m} \\ 530 \text{ km } 576 \text{ m} = 530 \times 1000 \text{ m} + 576 \text{ m} = 530000 \text{ m} + 576 \text{ m} = 530576 \text{ m} \\ \hline 178120 \text{ m} \end{array}$$

$$\begin{aligned}\therefore 708120 \text{ m} &= 178000 \text{ m} + 120 \text{ m} \\ &= 178000 \div 1000 \text{ km} + 120 \text{ m} \\ &= 178 \text{ km} + 120 \text{ m} \\ &= 178 \text{ km } 120 \text{ m}\end{aligned}$$

$$\begin{array}{r} \text{(b)} \quad 863 \text{ km } 676 \text{ m} = 863 \times 1000 \text{ m} + 676 \text{ m} = 863000 \text{ m} + 676 \text{ m} = 863676 \text{ m} \\ 338 \text{ km } 100 \text{ m} = 338 \times 1000 \text{ m} + 100 \text{ m} = 338000 \text{ m} + 100 \text{ m} = 338100 \text{ m} \\ \hline 525576 \text{ m} \end{array}$$

$$\begin{aligned}\therefore 525576 \text{ m} &= 525000 \text{ m} + 576 \text{ m} \\ &= 525000 \text{ m} \div 1000 \text{ km} + 576 \text{ m} \\ &= 525 \text{ km} + 576 \text{ m} \\ &= 525 \text{ km } 576 \text{ m}\end{aligned}$$

$$\begin{array}{r} \text{(c)} \quad 19 \text{ km } 508 \text{ m} = 19 \times 1000 \text{ m} + 508 \text{ m} = 19000 \text{ m} + 508 \text{ m} = 19508 \text{ m} \\ 13 \text{ km } 850 \text{ m} = 13 \times 1000 \text{ m} + 850 \text{ m} = 13000 \text{ m} + 850 \text{ m} = 13850 \text{ m} \\ \hline 5658 \text{ m} \end{array}$$

$$\begin{aligned}\therefore 5658 \text{ m} &= 5000 \text{ m} + 658 \text{ m} \\ &= 5000 \div 1000 \text{ km} + 658 \text{ m} \\ &= 5 \text{ km} + 658 \text{ m} \\ &= 5 \text{ km } 658 \text{ m}\end{aligned}$$

$$\begin{array}{r} \text{(d)} \quad 423 \text{ km } 18 \text{ m} = 423 \times 1000 \text{ m} + 18 \text{ m} = 423000 \text{ m} + 18 \text{ m} = 423018 \text{ m} \\ 275 \text{ km } 685 \text{ m} = 275 \times 1000 \text{ m} + 685 \text{ m} = 275000 \text{ m} + 685 \text{ m} = 275685 \text{ m} \\ \hline 147333 \text{ m} \end{array}$$

$$\begin{aligned}\therefore 147333 \text{ m} &= 147000 \text{ m} + 333 \text{ m} \\ &= 147000 \div 1000 \text{ km} + 333 \text{ m} \\ &= 147 \text{ km} + 333 \text{ m} \\ &= 147 \text{ km } 333 \text{ m}\end{aligned}$$



Exercise 8.5

1.		m	cm
	Cloth wove on Monday	86	18
	" " Tuesday	+ 94	56
		<hr/>	<hr/>
		180	74

total cloth weave is 180 m 74 cm

2.		m	cm
	Cotton cloth	8	58
	Silk cloth	+ 7	75
		<hr/>	<hr/>
		16	33

Total cloth bought by Mr. Gupta = 16 m 33 cm

3.		m	cm
	length of thread	80	82
	thread cut	- 22	36
		<hr/>	<hr/>
		58	46

thread left 58 m 46 cm

4.		m	cm
	Length of rope	38	65
	rope cut of	- 19	29
		<hr/>	<hr/>
		19	29

rope remained 19 m 29 cm

5.		km	m
	total distance	365	180
	distance travelled	- 182	750
		<hr/>	<hr/>
		182	430

distance left 182 km 430 m

6.		km	m
	distance travelled on cycle	8	517
	distance travelled on bus	- 2	900
		<hr/>	<hr/>
		5	617

distance travelled more on cycle 5 km 617 m

7.		m	cm
	length of ribbon	36	24
	ribbon cut off	- 12	22
		<hr/>	<hr/>
		24	02

ribbon left = 24 m 02 cm

8.		m	cm
		25	00
		- 16	32
		<hr/>	<hr/>
		8	68

∴ 16 m 32 cm is 8 m 68 cm less than 25 m



$$\begin{array}{r}
 \text{9.} \\
 \begin{array}{r}
 \text{Length of pole} \quad \text{m} \quad \text{cm} \\
 \text{length of pole cut} \quad - \quad 4 \quad 36 \\
 \hline
 \quad \quad \quad \quad \quad 7 \quad 89
 \end{array}
 \end{array}$$

length of pole left = 7m 89 cm

Exercise-8.6

$$\begin{array}{r}
 \text{1. (a)} \quad \text{km} \quad \text{m} \\
 \quad \quad \quad 13 \quad 208 \\
 \quad \quad \quad \times 3 \\
 \hline
 \quad \quad \quad \mathbf{39 \quad 624}
 \end{array}$$

$\therefore 13 \text{ km } 208 \text{ m} \times 3 = 29 \text{ km } 624 \text{ m}$

$$\begin{array}{r}
 \text{(b)} \quad \text{m} \quad \text{cm} \\
 \quad \quad \quad 9 \quad 60 \\
 \quad \quad \quad \times 2 \\
 \hline
 \quad \quad \quad \mathbf{19 \quad 20}
 \end{array}$$

$\therefore 9 \text{ m } 60 \text{ cm} \times 2 = 19 \text{ m } 20 \text{ cm}$

$$\begin{array}{r}
 \text{(e)} \quad \text{km} \quad \text{m} \\
 \quad \quad \quad 18 \quad 15 \\
 \quad \quad \quad \times 4 \\
 \hline
 \quad \quad \quad \mathbf{72 \quad 060}
 \end{array}$$

$\therefore 18 \text{ km } 15 \text{ cm} \times 4 = 72 \text{ m } 60 \text{ cm}$

$$\begin{array}{l}
 \text{2. (a)} \quad 3 \text{ km } 500 \text{ m} \div 5 \\
 \quad \quad \quad 3 \text{ km } 500 \text{ m} = 3 \times 1000 \text{ m} + 500 \text{ m} \\
 \quad \quad \quad \quad \quad = 3000 \text{ m} + 500 \text{ m} = 3500 \text{ m} \\
 \therefore \quad \quad \quad \begin{array}{r}
 5 \overline{) 35000} \quad (700 \\
 \underline{35} \\
 000
 \end{array}
 \end{array}$$

$3500 \text{ m} \div 5 = 700 \text{ m}$

$$\begin{array}{l}
 \text{(b)} \quad 66 \text{ km } 110 \text{ m} \\
 \quad \quad \quad = 66 \times 1000 \text{ m} + 110 \text{ m} \\
 \quad \quad \quad = 66000 \text{ m} + 110 \text{ m} = 66110 \text{ m} \\
 \therefore \quad \quad \quad \begin{array}{r}
 11 \overline{) 66110} \quad (6010 \\
 \underline{66} \\
 11 \\
 \underline{11} \\
 0
 \end{array}
 \end{array}$$

$66110 \text{ m} \div 11 = 6010 \text{ m}$
 $= 6000 \text{ m} + 10 \text{ m} = 6 \text{ km } 10 \text{ m}$

$$\begin{array}{r}
 \text{(b)} \quad \text{m} \quad \text{cm} \\
 \quad \quad \quad 6 \quad 35 \\
 \quad \quad \quad \times 7 \\
 \hline
 \quad \quad \quad \mathbf{44 \quad 45}
 \end{array}$$

$\therefore 6 \text{ m } 35 \text{ cm} \times 7 = 44 \text{ m } 45 \text{ cm}$

$$\begin{array}{r}
 \text{(d)} \quad \text{km} \quad \text{m} \\
 \quad \quad \quad 36 \quad 160 \\
 \quad \quad \quad \times 6 \\
 \hline
 \quad \quad \quad \mathbf{216 \quad 960}
 \end{array}$$

$\therefore 36 \text{ km } 160 \text{ m} \times 6 = 216 \text{ m } 960 \text{ cm}$

$$\begin{array}{r}
 \text{(f)} \quad \text{m} \quad \text{cm} \\
 \quad \quad \quad 8 \quad 72 \\
 \quad \quad \quad \times 3 \\
 \hline
 \quad \quad \quad \mathbf{26 \quad 16}
 \end{array}$$

$\therefore 8 \text{ m } 72 \text{ cm} \times 3 = 26 \text{ m } 16 \text{ cm}$

$$\begin{aligned}
 \text{(c)} \quad 33 \text{ km } 63 \text{ m} \div 3 & \\
 &= 33000 \text{ m} + 63 \text{ m} \div 3 \\
 &= 33063 \text{ m} + 63 \text{ m} \div 3 \\
 &= 33063 \text{ m} \div 3
 \end{aligned}$$

$$\begin{array}{r}
 \therefore \quad 3 \overline{) 33063} \quad (11021 \\
 \underline{3} \\
 \underline{0} \\
 \underline{0} \\
 \underline{06} \\
 \underline{6} \\
 \underline{03} \\
 \underline{3} \\
 \underline{0}
 \end{array}$$

$$\begin{aligned}
 33063 \text{ m} \div 3 &= 11021 \text{ m} \\
 33000 \text{ m} + 063 \text{ m} \div 3 &= 11000 \text{ m} + 21 \text{ m} \\
 33 \text{ km } 63 \text{ m} \div 3 &= 11 \text{ km } 21 \text{ m}
 \end{aligned}$$

$$\begin{aligned}
 \text{(d)} \quad 18 \text{ km } 900 \text{ m} \div 2 & \\
 &= 18 \times 1000 \text{ m} + 900 \text{ m} \div 2 \\
 &= 18000 \text{ m} + 900 \text{ m} \div 2 \\
 &= 18900 \text{ m} \div 900 \text{ m} \div 2 \\
 &= 18900 \text{ m} \div 2
 \end{aligned}$$

$$\begin{array}{r}
 \therefore \quad 2 \overline{) 18900} \quad (9450 \\
 \underline{18} \\
 \underline{09} \\
 \underline{8} \\
 \underline{10} \\
 \underline{10} \\
 \underline{0}
 \end{array}$$

$$\begin{aligned}
 18900 \text{ m} \div 2 &= 9450 \text{ m} \\
 18000 \text{ m} + 900 \text{ m} \div 2 &= 9000 \text{ m} + 450 \text{ m} \\
 18 \text{ km } 900 \text{ m} \div 2 &= 9 \text{ km } 450 \text{ m}
 \end{aligned}$$

$$\begin{aligned}
 \text{(e)} \quad 8 \text{ m } 40 \text{ cm} \div 2 & \\
 &= 8 \times 100 \text{ cm} + 40 \text{ cm} \div 2 \\
 &= 800 \text{ cm} + 40 \text{ cm} \div 2 \\
 &= 840 \text{ cm} \div 2
 \end{aligned}$$

$$\begin{array}{r}
 \therefore \quad 2 \overline{) 840} \quad (420 \\
 \underline{8} \\
 \underline{04} \\
 \underline{4} \\
 \underline{\times}
 \end{array}$$

$$840 \text{ cm} \div 2 = 420 \text{ cm}$$

$$800 \text{ cm} + 40 \text{ cm} \div 2 = 400 \text{ cm} + 20 \text{ cm}$$

$$8 \text{ m} + 40 \text{ cm} \div 2 = 4 \text{ m} + 20 \text{ cm}$$

$$8 \text{ m } 40 \text{ cm} \div 2 = 4 \text{ m } 20 \text{ cm}$$

(f) $6 \text{ m } 54 \text{ cm} \div 6$

$$= 6 \div 100 \text{ cm} + 54 \text{ cm} \div 6$$

$$= 600 \text{ cm} + 54 \text{ cm} \div 6$$

$$= 654 \text{ cm} \div 6$$

$$\therefore \begin{array}{r} 6 \overline{) 654} \quad (109 \\ \underline{6} \\ 54 \\ \underline{54} \\ 0 \end{array}$$

$$54 \text{ cm} \div 6 = 9 \text{ cm}$$

$$600 \text{ cm} + 54 \text{ cm} \div 6 = 100 \text{ cm} + 9 \text{ cm}$$

$$6 \text{ m} + 54 \text{ cm} \div 6 = 1 \text{ m } 9 \text{ cm}$$

$$6 \text{ m } 54 \text{ cm} \div 6 = 1 \text{ m } 9 \text{ cm}$$

Exercise-8.7

1. length of each piece = $8 \text{ m } 64 \text{ cm} \div 4$

$$= 8 \times 100 \text{ cm} + 64 \text{ cm} \div 4$$

$$= 800 \text{ cm} + 64 \text{ cm} \div 4$$

$$= 864 \text{ cm} \div 4$$

$$= 216 \text{ cm}$$

$$= 200 \text{ cm} + 16 \text{ cm}$$

$$= 2 \text{ m } 16 \text{ cm}$$

length of each piece = $2 \text{ m } 16 \text{ cm}$

2. Length of 1 ribbon = $2 \text{ m } 60 \text{ cm}$
 Length of 3 ribbons = $2 \text{ m } 60 \text{ cm} \times 3$
 $= 7 \text{ m } 80 \text{ cm}$

3. Distance cover by 1 athlete = $4 \text{ km } 400 \text{ m} \div 4$

$$= 4 \times 1000 \text{ m} + 400 \text{ m} \div 4$$

$$= 4000 \text{ m} + 400 \text{ m} \div 4$$

$$= 4400 \text{ m} \div 4$$

$$= 1100 \text{ m}$$

$$= 1000 \text{ m} + 100 \text{ m}$$

$$= 1 \text{ km} + 100 \text{ m}$$

$$= 1 \text{ km } 100 \text{ m}$$

4. Length of 1 piece of wire = $3 \text{ m } 25 \text{ cm}$
 " " 6 piece " = $3 \text{ m } 25 \text{ cm} \times 6$
 $= 19 \text{ m } 50 \text{ cm}$

$$\begin{array}{r} 4 \overline{) 864} \quad (216 \\ \underline{8} \\ 6 \\ \underline{4} \\ 24 \\ \underline{24} \\ 0 \\ \text{m cm} \\ 2 \quad 60 \\ \times 3 \\ \hline 7 \quad 80 \end{array}$$

$$\begin{array}{r} 4 \overline{) 4400} \quad (1100 \\ \underline{4} \\ 04 \\ \underline{4} \\ 0 \\ \text{m cm} \\ 3 \quad 25 \\ \times 6 \\ \hline 19 \quad 50 \end{array}$$



<p>5. For 1 suit cloth needed = 2 m 25 cm " 4 suits " = 2m 25 cm × 4 = 9 m 00 cm</p>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>m</td><td>cm</td></tr> <tr><td>2</td><td>25</td></tr> <tr><td></td><td>× 4</td></tr> <tr style="border-top: 1px solid black;"><td>9</td><td>00</td></tr> </table>	m	cm	2	25		× 4	9	00
m	cm								
2	25								
	× 4								
9	00								

<p>6. Length of Jute for 1 class room = 10 m 15 cm " " " " 4 classrooms = 10 m 15 cm × 4 = 40 m 60 cm</p>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>m</td><td>cm</td></tr> <tr><td>10</td><td>15</td></tr> <tr><td></td><td>× 4</td></tr> <tr style="border-top: 1px solid black;"><td>40</td><td>60</td></tr> </table>	m	cm	10	15		× 4	40	60
m	cm								
10	15								
	× 4								
40	60								

<p>7. In 1 hour man walks = 4 km 375 m " 2 hours " " = 4 km 375 m × 2 = 8 km 750 m</p>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>km</td><td>m</td></tr> <tr><td>4</td><td>375</td></tr> <tr><td></td><td>× 2</td></tr> <tr style="border-top: 1px solid black;"><td>8</td><td>750</td></tr> </table>	km	m	4	375		× 2	8	750
km	m								
4	375								
	× 2								
8	750								

<p>8. Length of each piece of rod = 10 m 35 cm ÷ 5 = 10 × 100 cm + 35 cm ÷ 5 = 1000 cm + 35 cm ÷ 5 = 207 cm = 200 cm + 7 cm = 2 m 7 cm</p>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>5</td><td>)</td><td>1035</td><td>(</td><td>207</td></tr> <tr><td></td><td></td><td>10</td><td></td><td></td></tr> <tr style="border-top: 1px solid black;"><td></td><td></td><td>35</td><td></td><td></td></tr> <tr><td></td><td></td><td>35</td><td></td><td></td></tr> <tr style="border-top: 1px solid black;"><td></td><td></td><td>0</td><td></td><td></td></tr> </table>	5)	1035	(207			10					35					35					0		
5)	1035	(207																						
		10																								
		35																								
		35																								
		0																								

<p>9. Peter swims in 1 hour = 12 km 750 m ÷ 3 = 12 × 1000 m + 750 m ÷ 3 = 12000 m + 750 m ÷ 3 = 12750 m ÷ 3 = 4250 m = 4000 m + 250 m = 4 km + 250 m = 4 km 250 m</p>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>3</td><td>)</td><td>12750</td><td>(</td><td>4250</td></tr> <tr><td></td><td></td><td>12</td><td></td><td></td></tr> <tr style="border-top: 1px solid black;"><td></td><td></td><td>7</td><td></td><td></td></tr> <tr><td></td><td></td><td>6</td><td></td><td></td></tr> <tr style="border-top: 1px solid black;"><td></td><td></td><td>15</td><td></td><td></td></tr> <tr><td></td><td></td><td>15</td><td></td><td></td></tr> <tr style="border-top: 1px solid black;"><td></td><td></td><td>0</td><td></td><td></td></tr> </table>	3)	12750	(4250			12					7					6					15					15					0		
3)	12750	(4250																																
		12																																		
		7																																		
		6																																		
		15																																		
		15																																		
		0																																		

<p>10. Length of each pipe = 24 m 32 cm ÷ 4 = 24 × 100 cm + 32 cm ÷ 4 = 2400 cm + 32 cm ÷ 4 = 2432 cm ÷ 4 = 608 cm = 600 cm + 8 cm = 6 m + 8 cm = 6 m 8 cm</p>	<table style="margin-left: auto; margin-right: auto;"> <tr><td>3</td><td>)</td><td>2432</td><td>(</td><td>608</td></tr> <tr><td></td><td></td><td>24</td><td></td><td></td></tr> <tr style="border-top: 1px solid black;"><td></td><td></td><td>32</td><td></td><td></td></tr> <tr><td></td><td></td><td>32</td><td></td><td></td></tr> <tr style="border-top: 1px solid black;"><td></td><td></td><td>0</td><td></td><td></td></tr> </table>	3)	2432	(608			24					32					32					0		
3)	2432	(608																						
		24																								
		32																								
		32																								
		0																								

Multiple Choice Questions

1. (c) 19 m 90 cm = 19 × 100 cm + 90 cm = 1900 cm + 90 cm = 1990 cm
2. (b) 5 m = 5 × 10 decimetres
= 50 decimetres



$$\begin{array}{r}
 \text{km} \quad \text{m} \\
 8 \quad 548 \\
 - 1 \quad 537 \\
 \hline
 7 \quad 011 \\
 \hline
 7 \text{ km } 011 \text{ m}
 \end{array}$$

$$\begin{array}{r}
 \text{m} \quad \text{cm} \\
 25 \quad 80 \\
 - 15 \quad 35 \\
 \hline
 10 \quad 55 \\
 \hline
 \end{array}$$

ribbon left 10 m 55 cm (a)

$$\begin{array}{l}
 7. \quad (b) \quad 1 \text{ m } 30 \text{ cm} = 1 \times 100 \text{ cm} + 30 \text{ cm} \\
 \quad \quad \quad = 100 \text{ cm} + 30 \text{ cm} \\
 \quad \quad \quad = 130 \text{ cm}
 \end{array}$$

9. 10 mm (b)

$$\begin{array}{r}
 \text{km} \quad \text{m} \\
 16 \quad 500 \quad \text{by train} \\
 - 1 \quad 800 \quad \text{by Scooter} \\
 \hline
 17 \quad 300 \\
 \hline
 \therefore \text{ total distance} = 17 \text{ km } 300 \text{ m}
 \end{array}$$

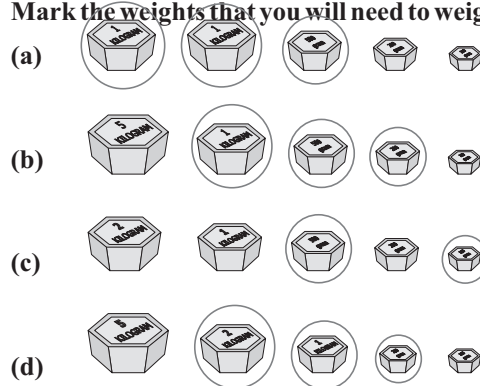
$$\begin{array}{l}
 6. \quad (a) \quad 200 \text{ m} = 200 \times 100 \text{ cm} \\
 \quad \quad \quad = 20000 \text{ cm}
 \end{array}$$

10. 100 (b)

9. WEIGHT

Exercise-9.1

1. Mark the weights that you will need to weigh the following :



2 kg 500 g



1 kg 700 g



600 g



3 kg 200 g

2. Do your self

Exercise 9.2

1. (a) $6 \text{ kg} = 6 \times 1000 \text{ g} = 6000 \text{ g}$

(b) $2 \text{ kg } 780 \text{ g} = 2 \times 1000 \text{ g} + 780 \text{ g}$
 $= 2000 \text{ g} + 780 \text{ g}$
 $= 2780 \text{ g}$

(c) $3 \text{ kg } 435 \text{ g} = 3 \times 1000 \text{ g} + 435 \text{ g}$
 $= 3000 \text{ g} + 435 \text{ g}$
 $= 3435 \text{ g}$

(d) $8 \text{ kg } 25 \text{ g} = 8 \times 1000 \text{ g} + 25 \text{ g}$
 $= 8000 \text{ g} + 25 \text{ g}$
 $= 8025 \text{ g}$

$$\begin{array}{ll}
 \text{(e)} & 9 \text{ kg } 450 \text{ g} = 9 \times 1000 \text{ g} + 450 \text{ g} \\
 & = 9000 \text{ g} + 450 \text{ g} \\
 & = 9450 \text{ g} \\
 \text{(g)} & 4 \text{ kg } 678 \text{ g} = 4 \times 1000 \text{ g} + 678 \text{ g} \\
 & = 4000 \text{ g} + 678 \text{ g} \\
 & = 4678 \text{ g} \\
 \text{(i)} & 3 \text{ kg } 540 \text{ g} = 3 \times 1000 \text{ g} + 540 \text{ g} \\
 & = 3000 \text{ g} + 540 \text{ g} \\
 & = 3540 \text{ g}
 \end{array}$$

$$\begin{array}{l}
 \text{(f)} \quad 7 \text{ kg } 454 \text{ g} = 7 \times 1000 \text{ g} + 454 \text{ g} \\
 \quad = 7000 \text{ g} + 454 \text{ g} \\
 \quad = 7454 \text{ g} \\
 \text{(h)} \quad 4 \text{ kg } 340 \text{ g} = 4 \times 1000 \text{ g} + 340 \text{ g} \\
 \quad = 4000 \text{ g} + 340 \text{ g} \\
 \quad = 4340 \text{ g}
 \end{array}$$

$$\begin{array}{l}
 2. \quad \text{(a)} \quad 5000 \text{ g} = 5000 \div 1000 \text{ kg} = 5 \text{ kg} \\
 \text{(b)} \quad 1008 \text{ g} = 1000 \text{ g} + 8 \text{ g} \\
 \quad = 1000 \div 1000 \text{ kg} + 8 \text{ g} \\
 \quad = 1 \text{ kg} + 8 \text{ g} \\
 \quad 1008 \text{ g} = 1 \text{ kg } 8 \text{ g} \\
 \text{(c)} \quad 7870 \text{ g} = 7000 \text{ g} + 870 \text{ g} \\
 \quad = 7000 \div 1000 \text{ kg} + 870 \text{ g} \\
 \quad = 7 \text{ kg} + 870 \text{ g} \\
 \quad 7870 \text{ g} = 7 \text{ kg } 870 \text{ g} \\
 \text{(d)} \quad 5645 \text{ g} = 5000 \text{ g} + 645 \text{ g} \\
 \quad = 5000 \div 1000 \text{ kg} + 645 \text{ g} \\
 \quad = 5 \text{ kg} + 645 \text{ g} \\
 \quad 5645 \text{ g} = 5 \text{ kg } 645 \text{ g} \\
 \text{(e)} \quad 5070 \text{ g} = 5000 \text{ g} + 70 \text{ g} \\
 \quad = 5000 \div 1000 \text{ kg} + 70 \text{ g} \\
 \quad = 5 \text{ kg} + 70 \text{ g} \\
 \quad 5070 \text{ g} = 5 \text{ kg } 70 \text{ g} \\
 \text{(f)} \quad 2088 \text{ g} = 2000 \text{ g} + 88 \text{ g} \\
 \quad = 2000 \div 1000 \text{ kg} + 88 \text{ g} \\
 \quad = 2 \text{ kg } 88 \text{ g} \\
 \text{(g)} \quad 6789 \text{ g} = 6000 \text{ g} + 789 \text{ g} \\
 \quad = 6000 \div 1000 \text{ kg} + 789 \text{ g} \\
 \quad = 6 \text{ kg} + 789 \text{ g} \\
 \quad 6789 \text{ g} = 6 \text{ kg } 789 \text{ g} \\
 \text{(h)} \quad 6500 \text{ g} = 6000 \text{ g} + 500 \text{ g} \\
 \quad = 6000 \div 1000 \text{ kg} + 500 \text{ g} \\
 \quad = 6 \text{ kg} + 500 \text{ g} \\
 \quad 6500 \text{ g} = 6 \text{ kg } 500 \text{ g} \\
 \text{(i)} \quad 4123 \text{ g} = 4000 \text{ g} + 123 \text{ g} \\
 \quad = 4000 \div 1000 \text{ kg} + 123 \text{ g} \\
 \quad = 4 \text{ kg} + 123 \text{ g} \\
 \quad 4123 \text{ g} = 4 \text{ kg } 123 \text{ g}
 \end{array}$$

3. (a) 3 kg = six 500 g = 3000 g (b) 2 kg = **10** 200 g = 2000 g
 (c) 800 g = one 500 g + 3100 g (d) 700 g = 1500 g + 2100 g
 (e) 1 kg = 5200 g + 0 g

Exercise-9.3

- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------|---|----|-----|------|-----|-----------|------------|---|----|---|----|----|-----|-----|-----------|------------|--|----|---|----|-----|------|-----|-----------|------------|-----------|------------|
| <p>1. (a)</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr><td style="padding-right: 10px;">kg</td><td style="padding-right: 10px;">g</td></tr> <tr><td style="padding-right: 10px;">62</td><td style="padding-right: 10px;">240</td></tr> <tr><td style="padding-right: 10px;">+ 16</td><td style="padding-right: 10px;">450</td></tr> <tr style="border-top: 1px solid black;"><td style="padding-right: 10px;">78</td><td style="padding-right: 10px;">690</td></tr> </table> <p style="margin-left: 20px;">78 kg 490 g</p> | kg | g | 62 | 240 | + 16 | 450 | 78 | 690 | <p>(b)</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr><td style="padding-right: 10px;">kg</td><td style="padding-right: 10px;">g</td></tr> <tr><td style="padding-right: 10px;">8</td><td style="padding-right: 10px;">30</td></tr> <tr><td style="padding-right: 10px;">+ 7</td><td style="padding-right: 10px;">670</td></tr> <tr style="border-top: 1px solid black;"><td style="padding-right: 10px;">15</td><td style="padding-right: 10px;">700</td></tr> </table> <p style="margin-left: 20px;">15 kg 700 g</p> | kg | g | 8 | 30 | + 7 | 670 | 15 | 700 | <p>(c)</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr><td style="padding-right: 10px;">kg</td><td style="padding-right: 10px;">g</td></tr> <tr><td style="padding-right: 10px;">9</td><td style="padding-right: 10px;">385</td></tr> <tr><td style="padding-right: 10px;">+ 12</td><td style="padding-right: 10px;">365</td></tr> <tr style="border-top: 1px solid black;"><td style="padding-right: 10px;">21</td><td style="padding-right: 10px;">750</td></tr> </table> <p style="margin-left: 20px;">21 kg 750 g</p> | kg | g | 9 | 385 | + 12 | 365 | 21 | 750 | | |
| kg | g | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 240 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + 16 | 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 690 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| kg | g | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + 7 | 670 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 700 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| kg | g | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 385 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + 12 | 365 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 750 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(d)</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr><td style="padding-right: 10px;">kg</td><td style="padding-right: 10px;">g</td></tr> <tr><td style="padding-right: 10px;">12</td><td style="padding-right: 10px;">550</td></tr> <tr><td style="padding-right: 10px;">+ 7</td><td style="padding-right: 10px;">990</td></tr> <tr style="border-top: 1px solid black;"><td style="padding-right: 10px;">20</td><td style="padding-right: 10px;">540</td></tr> </table> <p style="margin-left: 20px;">50 kg 540 g</p> | kg | g | 12 | 550 | + 7 | 990 | 20 | 540 | <p>(e)</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr><td style="padding-right: 10px;">kg</td><td style="padding-right: 10px;">g</td></tr> <tr><td style="padding-right: 10px;">21</td><td style="padding-right: 10px;">4</td></tr> <tr><td style="padding-right: 10px;">+ 6</td><td style="padding-right: 10px;">800</td></tr> <tr style="border-top: 1px solid black;"><td style="padding-right: 10px;">27</td><td style="padding-right: 10px;">804</td></tr> </table> <p style="margin-left: 20px;">27 kg 804 g</p> | kg | g | 21 | 4 | + 6 | 800 | 27 | 804 | <p>(f)</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr><td style="padding-right: 10px;">kg</td><td style="padding-right: 10px;">g</td></tr> <tr><td style="padding-right: 10px;">26</td><td style="padding-right: 10px;">95</td></tr> <tr><td style="padding-right: 10px;">8</td><td style="padding-right: 10px;">356</td></tr> <tr><td style="padding-right: 10px;">+ 17</td><td style="padding-right: 10px;">14</td></tr> <tr style="border-top: 1px solid black;"><td style="padding-right: 10px;">21</td><td style="padding-right: 10px;">750</td></tr> </table> <p style="margin-left: 20px;">21 kg 750 g</p> | kg | g | 26 | 95 | 8 | 356 | + 17 | 14 | 21 | 750 |
| kg | g | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 550 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + 7 | 990 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 540 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| kg | g | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + 6 | 800 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 804 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| kg | g | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 356 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + 17 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 750 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

2. (a) $46 \text{ kg } 800 \text{ g} = 46 \times 1000 \text{ g} + 800 \text{ g} = 46000 \text{ g} + 800 \text{ g} = 46800 \text{ g}$
 $75 \text{ kg } 670 \text{ g} = 75 \times 1000 \text{ g} + 670 \text{ g} = 75000 \text{ g} + 670 \text{ g} = 75670 \text{ g}$

	=	46800 g
	=	+ 75670 g
		122470 g

$\therefore 122470 \text{ g} = 122000 \text{ g} + 470 \text{ g}$
 $= 122000 \div 1000 \text{ kg} + 470 \text{ g}$
 $122470 \text{ g} = 122 \text{ kg } 470 \text{ g}$

(b) $22 \text{ kg } 30 \text{ g} = 22 \times 1000 \text{ g} + 30 \text{ g} = 22000 \text{ g} + 30 \text{ g} = 22030 \text{ g}$
 $27 \text{ kg } 195 \text{ g} = 27 \times 1000 \text{ g} + 195 \text{ g} = 27000 \text{ g} + 195 \text{ g} = 27195 \text{ g}$

	=	22030 g
	=	+ 27195 g
		49225 g

$\therefore 49225 \text{ g} = 49000 \text{ g} + 225 \text{ g}$
 $= 49 \text{ kg} + 225 \text{ g}$
 $= 49 \text{ kg } 225 \text{ g}$

(c) $5 \text{ kg } 175 \text{ g} = 5 \times 1000 \text{ g} + 175 \text{ g} = 5000 \text{ g} + 175 \text{ g} = 5175 \text{ g}$
 $6 \text{ kg } 445 \text{ g} = 6 \times 1000 \text{ g} + 445 \text{ g} = 6000 \text{ g} + 445 \text{ g} = 6445 \text{ g}$
 $15 \text{ kg } 680 \text{ g} = 15 \times 1000 \text{ g} + 680 \text{ g} = 15000 \text{ g} + 680 \text{ g} = 15680 \text{ g}$

	=	5175 g
	=	6445 g
	=	+ 15680 g
		27300 g

$\therefore 27300 \text{ g} = 27000 \text{ g} + 300 \text{ g}$
 $= 27000 \div 1000 \text{ kg} + 300 \text{ g}$
 $= 27 \text{ kg} + 300 \text{ g}$
 $27300 \text{ g} = 27 \text{ kg } 300 \text{ g}$
 $5 \text{ kg } 250 \text{ g} = 5 \times 1000 \text{ g} + 250 \text{ g}$
 $= 5000 \text{ g} + 250 \text{ g} = 5250 \text{ g}$
 $13 \text{ kg } 987 \text{ g} = 13000 \text{ g} + 987 \text{ g}$



$$\begin{array}{r}
 \text{(d)} \quad 5 \text{ kg } 250 \text{ g} = 5 \times 1000 \text{ g} + 250 \text{ g} = 5000 \text{ g} + 250 \text{ g} = 5250 \text{ g} \\
 13 \text{ kg } 987 \text{ g} = 13 \times 1000 \text{ g} + 987 \text{ g} = 13000 \text{ g} + 987 \text{ g} = + 13987 \text{ g} \\
 \hline
 19237 \text{ g}
 \end{array}$$

$$\begin{aligned}
 \therefore 19237 \text{ g} &= 19000 \text{ g} + 237 \text{ g} \\
 &= 19000 \div 1000 \text{ kg} + 237 \text{ g} \\
 &= 19 \text{ kg} + 237 \text{ g}
 \end{aligned}$$

$$19237 \text{ g} = 19 \text{ kg } 237 \text{ g}$$

$$\begin{array}{r}
 \text{(e)} \quad 40 \text{ kg } 455 \text{ g} = 40 \times 1000 \text{ g} + 455 \text{ g} = 40000 \text{ g} + 455 \text{ g} = 40455 \text{ g} \\
 27 \text{ kg } 667 \text{ g} = 27 \times 1000 \text{ g} + 667 \text{ g} = 27000 \text{ g} + 667 \text{ g} = 27667 \text{ g} \\
 32 \text{ kg } 575 \text{ g} = 32 \times 1000 \text{ g} + 575 \text{ g} = 32000 \text{ g} + 575 \text{ g} = + 32575 \text{ g} \\
 \hline
 100697 \text{ g}
 \end{array}$$

$$\begin{aligned}
 \therefore 100697 \text{ g} &= 100000 \text{ g} + 697 \text{ g} \\
 &= 100000 \div 1000 \text{ kg} + 697 \text{ g} \\
 &= 100 \text{ kg} + 697 \text{ g} \\
 100697 \text{ g} &= 100 \text{ kg } 697 \text{ g}
 \end{aligned}$$

Exercise-9.4

1. (a)	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right; padding-right: 5px;">kg</td><td style="padding-left: 10px;">g</td></tr> <tr><td style="text-align: right;">46</td><td style="padding-left: 10px;">380</td></tr> <tr><td style="text-align: right;">- 2</td><td style="padding-left: 10px;">490</td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: right;">18</td><td style="padding-left: 10px;">90</td></tr> </table>	kg	g	46	380	- 2	490	18	90	(b)	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right; padding-right: 5px;">kg</td><td style="padding-left: 10px;">g</td></tr> <tr><td style="text-align: right;">6</td><td style="padding-left: 10px;">250</td></tr> <tr><td style="text-align: right;">- 2</td><td style="padding-left: 10px;">680</td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: right;">3</td><td style="padding-left: 10px;">570</td></tr> </table>	kg	g	6	250	- 2	680	3	570	(c)	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right; padding-right: 5px;">kg</td><td style="padding-left: 10px;">g</td></tr> <tr><td style="text-align: right;">8</td><td style="padding-left: 10px;">420</td></tr> <tr><td style="text-align: right;">- 7</td><td style="padding-left: 10px;">680</td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: right;">740</td><td></td></tr> </table>	kg	g	8	420	- 7	680	740		(d)	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right; padding-right: 5px;">kg</td><td style="padding-left: 10px;">g</td></tr> <tr><td style="text-align: right;">6</td><td style="padding-left: 10px;">312</td></tr> <tr><td style="text-align: right;">- 5</td><td style="padding-left: 10px;">614</td></tr> <tr style="border-top: 1px solid black;"><td style="text-align: right;">298</td><td></td></tr> </table>	kg	g	6	312	- 5	614	298	
kg	g																																						
46	380																																						
- 2	490																																						
18	90																																						
kg	g																																						
6	250																																						
- 2	680																																						
3	570																																						
kg	g																																						
8	420																																						
- 7	680																																						
740																																							
kg	g																																						
6	312																																						
- 5	614																																						
298																																							

$$\begin{array}{r}
 \text{2. (a)} \quad 19 \text{ kg } 225 \text{ g} = 19 \times 1000 \text{ g} + 225 \text{ g} = 19000 \text{ g} + 225 \text{ g} = 19225 \text{ g} \\
 1 \text{ kg } 300 \text{ g} = 1 \times 1000 \text{ g} + 300 \text{ g} = 1000 \text{ g} + 300 \text{ g} = - 1300 \text{ g} \\
 \hline
 17925 \text{ g}
 \end{array}$$

$$\begin{aligned}
 \therefore 17925 \text{ g} &= 17000 \text{ g} + 925 \text{ g} \\
 &= 17000 \div 1000 \text{ kg} + 925 \text{ g} \\
 &= 17 \text{ kg} + 925 \text{ g} \\
 17925 \text{ g} &= 17 \text{ kg } 925 \text{ g}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(b)} \quad 42 \text{ kg } 4 \text{ g} = 42 \times 1000 \text{ g} + 4 \text{ g} = 42000 \text{ g} + 4 \text{ g} = 4200 \text{ g} \\
 17 \text{ kg } 607 \text{ g} = 17 \times 1000 \text{ g} + 607 \text{ g} = 17000 \text{ g} + 607 \text{ g} = - 17607 \text{ g} \\
 \hline
 24397 \text{ g}
 \end{array}$$

$$\begin{aligned}
 \therefore 24397 \text{ g} &= 24000 \text{ g} + 397 \text{ g} \\
 &= 24000 \div 1000 \text{ kg} + 397 \text{ g} \\
 &= 24 \text{ kg} + 397 \text{ g} \\
 24397 \text{ g} &= 24 \text{ kg } 397 \text{ g}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(c)} \quad 67 \text{ kg } 560 \text{ g} = 67 \times 1000 \text{ g} + 560 \text{ g} = 67000 \text{ g} + 560 \text{ g} = 67560 \text{ g} \\
 54 \text{ kg } 780 \text{ g} = 54 \times 1000 \text{ g} + 780 \text{ g} = 54000 \text{ g} + 780 \text{ g} = - 54780 \text{ g} \\
 \hline
 12780 \text{ g}
 \end{array}$$

$$\begin{aligned}
 \therefore 12780 \text{ g} &= 12000 \text{ g} + 780 \text{ g} \\
 &= 12 \text{ kg} + 780 \text{ g} \\
 12780 \text{ g} &= 12 \text{ kg } 780 \text{ g}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(d) } 28 \text{ kg } 750 \text{ g} = 28 \times 1000 \text{ g} + 750 \text{ g} = 28000 + 750 \text{ g} = 28750 \text{ g} \\
 14 \text{ kg } 650 \text{ g} = 14 \times 1000 \text{ g} + 650 \text{ g} = 14000 \text{ g} + 650 \text{ g} = 14650 \text{ g} \\
 \hline
 14100 \text{ g}
 \end{array}$$

$$\begin{aligned}
 \therefore 14100 \text{ g} &= 14000 \text{ g} + 100 \text{ g} \\
 &= 14000 \div 1000 \text{ kg} + 100 \text{ g} \\
 &= 14 \text{ kg} + 100 \text{ g} \\
 13900 \text{ g} &= 14 \text{ kg } 100 \text{ g}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(e) } 36 \text{ kg } 765 \text{ g} = 36 \times 1000 \text{ g} + 765 \text{ g} = 36000 \text{ g} + 765 \text{ g} = 36765 \text{ g} \\
 13 \text{ kg } 540 \text{ g} = 13 \times 1000 \text{ g} + 540 \text{ g} = 13000 \text{ g} + 540 \text{ g} = 13540 \text{ g} \\
 \hline
 23225 \text{ g}
 \end{array}$$

$$\begin{aligned}
 \therefore 23225 \text{ g} &= 23000 \text{ g} + 225 \text{ g} \\
 &= 23000 \div 1000 \text{ kg} + 225 \text{ g} \\
 &= 23 \text{ kg} + 225 \text{ g} \\
 23225 \text{ g} &= 23 \text{ kg } 225 \text{ g}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(f) } 15 \text{ kg } 350 \text{ g} = 15 \times 1000 \text{ g} + 350 \text{ g} = 15000 \text{ g} + 350 \text{ g} = 15350 \text{ g} \\
 12 \text{ kg } 475 \text{ g} = 12 \times 1000 \text{ g} + 475 \text{ g} = 12000 \text{ g} + 475 \text{ g} = 12475 \text{ g} \\
 \hline
 2875 \text{ g}
 \end{array}$$

$$\begin{aligned}
 \therefore 2875 \text{ g} &= 2000 \text{ g} + 875 \text{ g} \\
 &= 2000 \div 1000 \text{ kg} + 875 \text{ g} \\
 &= 2 \text{ kg} + 875 \text{ g} \\
 2875 \text{ g} &= 2 \text{ kg} + 875 \text{ g} \\
 2875 \text{ g} &= 2 \text{ kg } 875 \text{ g}
 \end{aligned}$$

$$\begin{array}{r}
 \text{3. (a)} \quad \begin{array}{r} \text{kg} \quad \text{g} \\ 9 \quad 110 \\ - 5 \quad 430 \\ \hline 3 \quad 680 \end{array}
 \end{array}$$

3 kg 680g

$$\begin{array}{r}
 \text{(b)} \quad \begin{array}{r} \text{kg} \quad \text{g} \\ 12 \quad 150 \\ - 6 \quad 80 \\ \hline 6 \quad 070 \end{array}
 \end{array}$$

6 kg 70g

$$\begin{array}{r}
 \text{(c)} \quad \begin{array}{r} \text{kg} \quad \text{g} \\ 14 \quad 000 \\ - 10 \quad 315 \\ \hline 4 \quad 685 \end{array}
 \end{array}$$

4 kg 685g

Exercise 9.5

$$\begin{array}{l}
 \text{1. biscuits in the shop} = 8 \text{ kg } 500 \text{ g} \\
 \text{" sold} = 4 \text{ kg } 950 \text{ g} \\
 \text{" remained} = 3 \text{ kg } 550 \text{ g}
 \end{array}$$

$$\begin{array}{l}
 \text{2. Apples sold} = 19 \text{ kg } 670 \text{ g} \\
 \text{oranges sold} = 5 \text{ kg } 710 \text{ g} \\
 \text{watermelon sold} = + 24 \text{ kg } 330 \text{ g} \\
 \hline
 \text{Total fruits sold} = 49 \text{ kg } 710 \text{ g}
 \end{array}$$

$$\begin{array}{l}
 \text{3. Flour had} = 126 \text{ kg } 320 \text{ g} \\
 \text{flour sold} = -87 \text{ kg } 120 \text{ g} \\
 \hline
 \text{flour remained} = 39 \text{ kg } 200 \text{ g}
 \end{array}$$

$$\begin{array}{l}
 \text{4. rice bought} = 10 \text{ kg } 000 \text{ g} \\
 \text{rice used} = -8 \text{ kg } 15 \text{ g} \\
 \hline
 \text{rice left} = 1 \text{ kg } 985 \text{ g}
 \end{array}$$

$$\begin{array}{l}
 \text{5. wheat in storage} = 456 \text{ kg } 500 \text{ g} \\
 \text{" distributed} = -279 \text{ kg } 200 \text{ g} \\
 \hline
 \text{" left} = 177 \text{ kg } 300 \text{ g}
 \end{array}$$

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 34 \quad 890 \\
 + 45 \quad 560 \\
 \hline
 80 \quad 450
 \end{array}
 \qquad
 \begin{array}{r}
 \text{kg} \quad \text{g} \\
 40 \quad 450 \\
 + 40 \quad 870 \\
 \hline
 81 \quad 320
 \end{array}$$

Ind sum is more by

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 81 \quad 320 \\
 - 80 \quad 450 \\
 \hline
 0 \quad 870
 \end{array}$$

or 0 kg 870 g

7.

Weight of Anil	kg	g
" " lost	-3	975
	<u>58</u>	<u>865</u>

weight of Anil now is 58 kg 865 g

8.

Weight of bag with books	kg	g
" " bg "	+	890
	<u>42</u>	<u>210</u>

weight of books = 4 kg 210 g

Exercise 9.6

1. (a)

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 0 \quad 240 \\
 \times 3 \\
 \hline
 0 \quad 720
 \end{array}$$

0 kg 720 g

(b)

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 0 \quad 360 \\
 \times 4 \\
 \hline
 1 \quad 440
 \end{array}$$

1 kg 440 g

(c)

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 0 \quad 480 \\
 \times 5 \\
 \hline
 2 \quad 400
 \end{array}$$

2 kg 400 g

(d)

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 3 \quad 560 \\
 \times 5 \\
 \hline
 17 \quad 800
 \end{array}$$

17 kg 800 g

(e)

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 8 \quad 450 \\
 \times 6 \\
 \hline
 50 \quad 700
 \end{array}$$

50 kg 700 g

(f)

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 6 \quad 250 \\
 \times 7 \\
 \hline
 43 \quad 750
 \end{array}$$

43 kg 750 g

(g)

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 2 \quad 900 \\
 \times 2 \\
 \hline
 5 \quad 800
 \end{array}$$

5 kg 800 g

(h)

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 3 \quad 150 \\
 \times 2 \\
 \hline
 6 \quad 300
 \end{array}$$

6 kg 300 g

(i)

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 5 \quad 125 \\
 \times 4 \\
 \hline
 20 \quad 500
 \end{array}$$

20 kg 500 g

2. (a) $90 \text{ g} \div 2$

$$\begin{array}{r}
 2 \overline{) 90} \quad (45 \\
 \underline{4} \\
 10 \\
 \underline{10} \\
 \times
 \end{array}$$

so, $90 \text{ g} \div 2 = 45 \text{ g}$

(b) $600 \text{ g} \div 3$

$$\begin{array}{r}
 3 \overline{) 600} \quad (45 \\
 \underline{6} \\
 000
 \end{array}$$

so, $600 \text{ g} \div 3 = 200 \text{ g}$

(c) $540 \text{ g} \div 6$

$$\begin{array}{r}
 6 \overline{) 540} \quad (90 \\
 \underline{54} \\
 00
 \end{array}$$

so, $540 \text{ g} \div 6 = 90 \text{ g}$

(d) $2 \text{ kg } 440 \text{ g} \div 2$

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 1 \quad 220 \\ 2 \overline{) 2 \ 4 \ 4 \ 0} \\ \underline{2} \\ 4 \\ \underline{4} \\ 4 \\ \underline{4} \\ 0 \ 0 \end{array}$$

so, $2 \text{ kg } 440 \text{ g} \div 2 = 1 \text{ kg } 220 \text{ g}$

(f) $2 \text{ kg } 720 \text{ g} \div 2$

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 2 \quad 860 \\ 2 \overline{) 5 \ 7 \ 2 \ 0} \\ \underline{4 \ 2} \\ 1 \ 7 \\ \underline{1 \ 6} \\ 1 \ 2 \\ \underline{- 1 \ 2} \\ 0 \end{array}$$

so, $2 \text{ kg } 720 \text{ g} \div 2 = 1 \text{ kg } 360 \text{ g}$

(h) $1 \text{ kg } 825 \text{ g} \div 5$

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 0 \quad 365 \\ 5 \overline{) 1 \ 8 \ 2 \ 5} \\ \underline{1 \ 5} \\ 3 \ 2 \\ \underline{3 \ 0} \\ 2 \ 5 \\ \underline{2 \ 5} \\ 0 \end{array}$$

so, $1 \text{ kg } 825 \text{ g} \div 5 = 365 \text{ g}$

(e) $1 \text{ kg } 224 \text{ g} \div 4$

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 0 \quad 306 \\ 4 \overline{) 1 \ 2 \ 2 \ 4} \\ \underline{1 \ 2} \\ 2 \ 4 \\ \underline{2 \ 4} \\ 0 \ 0 \end{array}$$

so, $1 \text{ kg } 224 \text{ g} \div 4 = 306 \text{ g}$

(g) $8 \text{ kg } 59 \text{ g} \div 3$

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 2 \quad 683 \\ 3 \overline{) 8 \ 0 \ 5 \ 0} \\ \underline{6} \\ 2 \ 0 \\ \underline{1 \ 8} \\ 2 \ 5 \\ \underline{2 \ 4} \\ 1 \ 0 \\ \underline{1 \ 0} \\ 0 \end{array}$$

so, $8 \text{ kg } 59 \text{ g} \div 3 = 2 \text{ kg } 683 \text{ g}$

(i) $7 \text{ kg } 720 \text{ g} \div 2$

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 3 \quad 860 \\ 2 \overline{) 7 \ 7 \ 2 \ 0} \\ \underline{6} \\ 1 \ 7 \\ \underline{1 \ 6} \\ 1 \ 2 \\ \underline{2 \ 5} \\ 0 \end{array}$$

so, $7 \text{ kg } 720 \text{ g} \div 2 = 3 \text{ kg } 860 \text{ g}$

Exercise 9.7

$$\begin{aligned} 1. \quad \text{Weight of 1 chocolate packet} &= 0 \text{ kg } 275 \text{ g} \\ \text{" " 5 " packets} &= 0 \text{ kg } 275 \text{ g} \\ &\quad \times 5 \end{aligned}$$

$$\text{weight of 5 packets} = \begin{array}{r} 0 \text{ kg } 275 \text{ g} \\ \hline 1 \text{ kg } 375 \text{ g} \end{array}$$

$$\begin{aligned} 2. \quad \text{weight of one orange} &= 960 \text{ g} \div 8 \\ &= 120 \text{ g} \end{aligned}$$

$$\begin{array}{r} 8 \overline{) 960} \quad (120 \\ \underline{8} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

$$\begin{aligned} 3. \quad \text{Sugar consumed in 1 week} &= 1 \text{ kg } 500 \text{ g} \\ \text{" " 4 weeks (1 month)} &= 1 \text{ kg } 500 \text{ g} \\ &\quad \times 4 \end{aligned}$$

$$\begin{array}{r} 1 \text{ kg } 500 \text{ g} \\ \hline 6 \text{ kg } 000 \text{ g} \end{array}$$

$$\begin{aligned} 4. \quad \text{Wheat flour used in 1 day} &= 3 \text{ kg } 750 \text{ g} \\ \text{" " 1 week (7 days)} &= 3 \text{ kg } 750 \text{ g} \\ &\quad \times 7 \end{aligned}$$

$$\begin{array}{r} 3 \text{ kg } 750 \text{ g} \\ \hline 26 \text{ kg } 250 \text{ g} \end{array}$$

$$\begin{aligned} 5. \quad \text{Total wheat} &= 5 \text{ kg} = 5000 \text{ g} \\ \text{Each family get} &= 5000 \text{ g} \div 4 \\ &= 1250 \text{ g} \\ &= 1000 \text{ g} + 250 \text{ g} \\ &= 1 \text{ kg } 250 \text{ g} \end{aligned}$$

$$\begin{array}{r} 5 \overline{) 5000} \quad (1250 \\ \underline{4} \\ 10 \\ \underline{8} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

$$\begin{aligned} 6. \quad \text{Weight of cake} &= 4 \text{ kg } 400 \text{ g} \\ \text{weight of each piece} &= 4 \text{ kg } 400 \text{ g} \div 4 \\ &= 1 \text{ kg } 100 \text{ g} \end{aligned}$$

$$\begin{array}{r} \text{kg} \quad \text{g} \\ 1 \quad 100 \\ 4 \overline{) 4400} \\ \underline{4} \\ 4 \\ \underline{4} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

$$\begin{aligned} 7. \quad \text{weight of 1 suitcase} &= 3 \text{ kg } 450 \text{ g} \\ \text{" " 2 suit cases} &= 3 \text{ kg } 450 \text{ g} \\ &\quad \times 2 \end{aligned}$$

$$\begin{array}{r} 3 \text{ kg } 450 \text{ g} \\ \hline 6 \text{ kg } 900 \text{ g} \end{array}$$

$$\begin{aligned} 8. \quad \text{Packet of chips weight} &= 840 \text{ g} \\ \text{each person get} &= 840 \text{ g} \div 4 \\ &= 210 \text{ g} \end{aligned}$$

$$\begin{array}{r} 4 \overline{) 840} \quad (210 \\ \underline{8} \\ 4 \\ \underline{4} \\ 0 \end{array}$$

9. Weight of 5 bricks = 6 kg 170 g
 " " 1 brick = 6 kg 170 g ÷ 5
 = 1 kg 234 g

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 1 \quad 234 \\
 5 \overline{) 6 \ 1 \ 7 \ 0} \\
 \underline{5} \\
 1 \ 1 \\
 \underline{1 \ 0} \\
 1 \ 7 \\
 \underline{1 \ 5} \\
 2 \ 0 \\
 \underline{2 \ 0} \\
 0
 \end{array}$$

10. Each person will get = 8 kg 240 g ÷ 4
 = 2 kg 60 g

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 2 \quad 060 \\
 4 \overline{) 8 \ 2 \ 4 \ 0} \\
 \underline{8} \\
 2 \ 4 \\
 \underline{2 \ 4} \\
 0
 \end{array}$$

11. Weight of vegetables = 3 kg 125 g
 " " fruits + 1 kg 750 g
 total weight to carry 4 kg 875 g

12. Mangoes bought from 1st shop 4 kg 575 g
 " " " 2nd " + 3 kg 685 g
 Total mangoes bought 8 kg 060 g

13. Rice had 2 kg 800 g
 Rice added + 4 kg 600 g
 Rice now 7 kg 400 g

14. Weight of oranges = 25 kg 55 g
 " " apples = + 15 kg 250 g
 Total weight of fruits 40 kg 305 g

15. weight of Ram 30 kg 500 g
 " " Mohan + 35 kg 900 g
 Total weight 66 kg 400 g

10. CAPACITY

Exercise 10.1

1. (a) $7l = 7 \times 1000 \text{ ml} = 7000 \text{ ml}$ (b) $2l440 \text{ ml}$
 $= 2 \times 1000 \text{ ml} + 440 \text{ ml}$



$$= 2000 \text{ ml} + 440 \text{ ml}$$

$$= 2440 \text{ ml}$$

(c) $9 \text{ l } 4 \text{ ml}$
 $= 9 \times 1000 \text{ ml} + 4 \text{ ml}$
 $= 9000 \text{ ml} + 4 \text{ ml} = 9004 \text{ ml}$

(d) $5 \text{ l } 675 \text{ ml}$
 $= 5 \times 1000 \text{ ml} + 675 \text{ ml}$
 $= 5000 \text{ ml} + 675 \text{ ml}$
 $= 5675 \text{ ml}$

(e) $8 \text{ l } 720 \text{ ml}$
 $= 8 \times 1000 \text{ ml} + 720 \text{ ml}$
 $= 8000 \text{ ml} + 720 \text{ ml}$
 $= 8720 \text{ ml}$

(f) $6 \text{ l } 880 \text{ ml}$
 $= 6 \times 1000 \text{ ml} + 880 \text{ ml}$
 $= 6000 \text{ ml} + 880 \text{ ml}$
 $= 6880 \text{ ml}$

2. (a) $6000 \text{ ml} = 6000 \div 1000 \text{ l} = 6 \text{ l}$
 (b) $4000 \text{ ml} = 4000 \div 1000 \text{ l} = 4 \text{ l}$
 (c) $9876 \text{ ml} = 9000 \text{ ml} + 876 \text{ ml} = 9000 \div 1000 \text{ l} + 876 \text{ ml} = 9 \text{ l} + 876 \text{ ml}$
 (d) $8765 \text{ ml} = 8000 \text{ ml} + 765 \text{ ml}$
 $= 8000 \div 1000 \text{ l} + 765 \text{ ml}$
 $= 8 \text{ l} + 765 \text{ ml}$
 $= 8 \text{ l } 765 \text{ ml}$
- (e) 2343 ml
 $= 2000 \text{ ml} + 343 \text{ ml}$
 $= 2000 \div 1000 \text{ l} + 343 \text{ ml}$
 $= 2 \text{ l} + 343 \text{ ml}$
 $= 2 \text{ l } 343 \text{ ml}$
- (f) 7004 ml
 $= 7000 \text{ ml} + 4 \text{ ml}$
 $= 7000 \div 1000 \text{ l} + 4 \text{ ml}$
 $= 7 \text{ l} + 4 \text{ ml} = 7 \text{ l } 4 \text{ ml}$

Exercise-10.2

1. (a)

l	ml
9	235
+ 8	567
17	802

 (b)

l	ml
23	825
- 14	685
38	510

 (c)

l	ml
12	065
+ 19	995
32	060

 (d)

l	ml
14	450
+ 5	135
13	585

2. (a) $3 \text{ l} = 3 \times 1000 \text{ ml}$
 $2 \text{ l } 45 \text{ ml} = 2 \times 1000 \text{ ml} + 45 \text{ ml} = 2000 \text{ ml} + 45 \text{ ml}$

$$= \begin{array}{r} 3000 \text{ ml} \\ + 2045 \text{ ml} \\ \hline 5045 \text{ ml} \end{array}$$

$5045 \text{ ml} = 5000 \text{ ml} + 45 \text{ ml}$
 $= 5000 \div 1000 \text{ l} + 45 \text{ ml}$
 $= 5 \text{ l} + 45 \text{ ml}$
 $= 5 \text{ l } 45 \text{ ml}$

$$\begin{array}{r}
 \text{(b)} \quad 2\,l\,825\text{ ml} = 2 \times 1000\text{ ml} + 825\text{ ml} = 2000\text{ ml} + 825\text{ ml} \\
 3\,l\,455\text{ ml} = 3 \times 1000\text{ ml} + 455\text{ ml} = 3000\text{ ml} + 455\text{ ml} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 6280\text{ ml} &= 6000\text{ ml} + 280\text{ ml} \\
 &= 6000 \div 1000\text{ l} + 280\text{ ml} \\
 &= 6\text{ l} + 280\text{ ml} \\
 &= 6\,l\,280\text{ ml}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(c)} \quad 6\,l\,275\text{ ml} = 6 \times 1000\text{ ml} + 275\text{ ml} = 6000\text{ ml} + 275\text{ ml} \\
 1\,l\,400\text{ ml} = 1 \times 1000\text{ ml} + 400\text{ ml} = 1000\text{ ml} + 400\text{ ml} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 7675\text{ ml} &= 7000\text{ ml} + 675\text{ ml} \\
 &= 7000 \div 1000\text{ l} + 675\text{ ml} \\
 &= 7\text{ l} + 675\text{ ml} \\
 &= 7\,l\,675\text{ ml}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(d)} \quad 5\,l\,100\text{ ml} = 5 \times 1000\text{ ml} + 100\text{ ml} = 5000\text{ ml} + 100\text{ ml} \\
 3\,l\,40\text{ ml} = 3 \times 1000\text{ ml} + 40\text{ ml} = 3000\text{ ml} + 40\text{ ml} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 8000\text{ ml} + 140\text{ ml} \\
 &= 8000 \div 1000\text{ l} + 140\text{ ml} \\
 &= 8\text{ l} + 140\text{ ml} \\
 &= 8\,l\,140\text{ ml}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(e)} \quad 2\,l\,450\text{ ml} = 2 \times 1000\text{ ml} + 450\text{ ml} = 2000\text{ ml} + 450\text{ ml} \\
 4\,l\,560\text{ ml} = 4 \times 1000\text{ ml} + 560\text{ ml} = 4000\text{ ml} + 560\text{ ml} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 7010\text{ ml} &= 7000\text{ ml} + 10\text{ ml} \\
 &= 7000 \div 1000\text{ l} + 10\text{ ml} \\
 &= 7\text{ l} + 10\text{ ml} = 7\,l\,10\text{ ml}
 \end{aligned}$$

$$\begin{array}{r}
 \text{(f)} \quad 7\,l\,255\text{ ml} = 7 \times 1000\text{ ml} + 255\text{ ml} = 7000\text{ ml} + 255\text{ ml} \\
 2\,l\,362\text{ ml} = 2 \times 1000\text{ ml} + 362\text{ ml} = 2000\text{ ml} + 362\text{ ml} \\
 \hline
 \end{array}$$

$$\begin{aligned}
 \therefore 9617\text{ ml} &= 9000\text{ ml} + 617\text{ ml} \\
 &= 9000 \div 1000\text{ l} + 617\text{ ml} \\
 &= 9\text{ l} + 617\text{ ml} = 9\,l\,617\text{ ml}
 \end{aligned}$$

Exercise 10.3

1. (a)

l	ml
15	820
– 7	920
7	900

(b)

l	ml
16	25
– 8	780
7	545

(c)

l	ml
39	535
– 29	385
10	150

(d)

l	ml
6	675
– 3	250
3	425



2. (a) $6\text{ l } 900\text{ ml} = 6 \times 1000\text{ ml} + 900\text{ ml} = 6000\text{ ml} + 900\text{ ml} = 6900\text{ ml}$
 $2\text{ l } 350\text{ ml} = 2 \times 1000\text{ ml} + 350\text{ ml} = 2000\text{ ml} + 350\text{ ml} = 2350\text{ ml}$

$$\begin{array}{r} 6900\text{ ml} \\ - 2350\text{ ml} \\ \hline 4550\text{ ml} \end{array}$$

$\therefore 4550\text{ ml} = 4000\text{ ml} + 550\text{ ml}$
 $= 4\text{ l} + 550\text{ ml}$
 $= 4\text{ l } 550\text{ ml}$

(b) $9\text{ l } 100\text{ ml} = 9 \times 1000\text{ ml} + 100\text{ ml} = 9000\text{ ml} + 100\text{ ml} = 9100\text{ ml}$
 $5\text{ l } 115\text{ ml} = 5 \times 1000\text{ ml} + 115\text{ ml} = 5000\text{ ml} + 115\text{ ml} = 5115\text{ ml}$

$$\begin{array}{r} 9100\text{ ml} \\ - 5115\text{ ml} \\ \hline 3985\text{ ml} \end{array}$$

$\therefore 3985\text{ ml} = 3000\text{ ml} + 985\text{ ml}$
 $= 3\text{ l} + 985\text{ ml}$
 $= 3\text{ l} + 985\text{ ml}$
 $= 3\text{ l } 985\text{ ml}$

(c) $7\text{ l } 800\text{ ml} = 7 \times 1000\text{ ml} + 800\text{ ml} = 7000\text{ ml} + 800\text{ ml} = 7800\text{ ml}$
 $4\text{ l } 650\text{ ml} = 4 \times 1000\text{ ml} + 650\text{ ml} = 4000\text{ ml} + 650\text{ ml} = 4650\text{ ml}$

$$\begin{array}{r} 7800\text{ ml} \\ - 4650\text{ ml} \\ \hline 3150\text{ ml} \end{array}$$

$\therefore 3150\text{ ml} = 3000\text{ ml} + 150\text{ ml}$
 $= 3000 \div 1000\text{ l} + 150\text{ ml}$
 $= 3\text{ l} + 150\text{ ml}$
 $= 3\text{ l } 150\text{ ml}$

(d) $9\text{ l } 500\text{ ml} = 9 \times 1000\text{ ml} + 500\text{ ml} = 9000\text{ ml} + 500\text{ ml} = 9500\text{ ml}$
 $7\text{ l } 340\text{ ml} = 7 \times 1000\text{ ml} + 350\text{ ml} = 7000\text{ ml} + 340\text{ ml} = 7340\text{ ml}$

$$\begin{array}{r} 9500\text{ ml} \\ - 7340\text{ ml} \\ \hline 2160\text{ ml} \end{array}$$

$\therefore 2160\text{ ml} = 2000\text{ ml} + 160\text{ ml}$
 $= 2000 \div 1000\text{ l} + 160\text{ ml}$
 $= 2\text{ l} + 160\text{ ml}$
 $= 2\text{ l } 160\text{ ml}$

(e) $9\text{ l } 825\text{ ml} = 9 \times 1000\text{ ml} + 825\text{ ml} = 9825\text{ ml}$
 $8\text{ l } 250\text{ ml} = 8 \times 1000\text{ ml} + 250\text{ ml} = 8000\text{ ml} + 250\text{ ml} = 8250\text{ ml}$

$$\begin{array}{r} 9825\text{ ml} \\ - 8250\text{ ml} \\ \hline 1575\text{ ml} \end{array}$$

$\therefore 1575\text{ ml} = 1000\text{ ml} + 575\text{ ml}$
 $= 1000 \div 1000\text{ l} + 575\text{ ml}$
 $= 1\text{ l} + 575\text{ ml}$
 $= 1\text{ l } 575\text{ ml}$

(f) $7\text{ l } 260\text{ ml} = 7 \times 1000\text{ ml} + 260\text{ ml} = 7000\text{ ml} + 260\text{ ml} = 7260\text{ ml}$
 $5\text{ l } 255\text{ ml} = 5 \times 1000\text{ ml} + 255\text{ ml} = 5000\text{ ml} + 255\text{ ml} = 5255\text{ ml}$

$$\begin{array}{r} 7260\text{ ml} \\ - 5255\text{ ml} \\ \hline 2005\text{ ml} \end{array}$$

$\therefore 2005\text{ ml} = 2000\text{ ml} + 5\text{ ml}$
 $= 2000 \div 1000\text{ l} + 5\text{ ml}$
 $= 2\text{ l} + 5\text{ ml}$
 $= 2\text{ l } 5\text{ ml}$

Exercise 10.4

1.	Paint brought	45 l	560 ml
	" used	+ 27 l	450 ml
	Paint left	18 l	110 ml

2.	Water in the drum	56 l	750 ml
	" " added	+ 43 l	220 ml
	" in the drum now	99 l	970 ml
	Capacity of drum	100 l	000 ml
	water in the "	- 99 l	970 ml
	drum can hold more water	0 l	30 ml

3.	Milk used in the morning	1 l	350 ml
	" " " " after noon	2 l	500 ml
	" " " " evening	+ 2 l	750 ml
	total milk used	6 l	600 ml
	milk brought	7 l	500 ml
	" used	- 6 l	600 ml
	" left	0 l	900 ml

4.	Medicine in bottle	1 l	250 ml
	" " used	- 0 l	430 ml
	Medicine remain	820 ml	

5.	Capacity of big bucket	8 l	400 ml
	" " small "	- 5 l	650 ml
	More capacity of big bucket	2 l	750 ml

6.	Water used before break	0 l	250 ml
	" " during break	0 l	80 ml
	" " After break	+ 0 l	190 ml
	Total water used	0 l	620 ml
	Capacity of bottle	2 l	000 ml
	water used	- 0 l	620 ml
	water left in the bottle	1 l	380 ml

7.		14 l	250 ml
		- 9 l	800 ml
		4 l	250 ml

is more than 9 l 800 ml by 4 l 450 ml.

8.	Milk used in ice cream	3 l	900 ml
	" " " tea	1 l	300 ml
	" " drinking	+ 0 l	875 ml
		6 l	075 ml



Milk brought	9 l	500 ml
" used	+ 6 l	075 ml
Milk used in cheese	<u>3 l</u>	<u>425 ml</u>

Exercise 10.5

1. (a)
$$\begin{array}{r} 3 \text{ l } 125 \text{ ml} \\ \times 3 \\ \hline 9 \text{ l } 375 \text{ ml} \end{array}$$

$\therefore 3 \text{ l } 125 \text{ ml} \times 3 = 9 \text{ l } 375 \text{ ml}$

(c)
$$\begin{array}{r} 8 \text{ l } 600 \text{ ml} \\ \times 8 \\ \hline 68 \text{ l } 800 \text{ ml} \end{array}$$

$\therefore 8 \text{ l } 600 \text{ ml} \times 8 = 68 \text{ l } 800 \text{ ml}$

(e)
$$\begin{array}{r} 84 \text{ l } 45 \text{ ml} \\ \times 2 \\ \hline 168 \text{ l } 90 \text{ ml} \end{array}$$

$\therefore 84 \text{ l } 45 \text{ ml} \times 2 = 168 \text{ l } 90 \text{ ml}$

(h)
$$\begin{array}{r} 7 \text{ l } 60 \text{ ml} \\ \times 4 \\ \hline 28 \text{ l } 240 \text{ ml} \end{array}$$

$\therefore 7 \text{ l } 60 \text{ ml} \times 4 = 28 \text{ l } 240 \text{ ml}$

(b)
$$\begin{array}{r} 5 \text{ l } 240 \text{ ml} \\ \times 4 \\ \hline 20 \text{ l } 960 \text{ ml} \end{array}$$

$\therefore 5 \text{ l } 240 \text{ ml} \times 4 = 20 \text{ l } 960 \text{ ml}$

(d)
$$\begin{array}{r} 174 \text{ ml} \\ \times 5 \\ \hline 870 \text{ ml} \end{array}$$

$\therefore 174 \text{ ml} \times 5 = 870 \text{ ml}$

(f)
$$\begin{array}{r} 7 \text{ l } 150 \text{ ml} \\ \times 3 \\ \hline 21 \text{ l } 450 \text{ ml} \end{array}$$

$\therefore 7 \text{ l } 150 \text{ ml} \times 3 = 21 \text{ l } 450 \text{ ml}$

(i)
$$\begin{array}{r} 9 \text{ l } 205 \text{ ml} \\ \times 6 \\ \hline 55 \text{ l } 230 \text{ ml} \end{array}$$

$\therefore 9 \text{ l } 205 \text{ ml} \times 3 = 55 \text{ l } 230 \text{ ml}$

2. (a) $35 \text{ l } 707 \text{ ml} \div 7$

$$\begin{array}{r} \text{ l } \quad \text{ ml} \\ 5 \quad 101 \\ 7 \overline{) 35 \quad 707} \\ \underline{35} \\ 7 \\ \underline{7} \\ 07 \\ \underline{07} \\ 0 \end{array}$$

$\therefore 35 \text{ l } 707 \text{ ml} \div 7 = 5 \text{ l } 101 \text{ ml}$

(b) $2 \text{ l } 248 \text{ ml} \div 4$

$$\begin{array}{r} \text{ l } \quad \text{ ml} \\ 0 \quad 562 \\ 4 \overline{) 2 \quad 248} \\ \underline{2} \\ 24 \\ \underline{24} \\ 08 \\ \underline{08} \\ 0 \end{array}$$

$\therefore 2 \text{ l } 248 \text{ ml} \div 4 = 562 \text{ ml}$

(c) $4\text{ l } 512\text{ ml} \div 8$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 0 \quad 564 \\ 8 \overline{) 4 \quad 512} \\ \underline{4 \quad 0} \\ 51 \\ \underline{48} \\ 32 \\ \underline{32} \\ 0 \end{array}$$

$\therefore 4\text{ l } 512\text{ ml} \div 8 = 564\text{ ml}$

(e) $12\text{ l } 480\text{ ml} \div 6$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 2 \quad 080 \\ 6 \overline{) 12 \quad 480} \\ \underline{12} \\ 48 \\ \underline{48} \\ 0 \end{array}$$

$\therefore 12\text{ l } 480\text{ ml} \div 6 = 2\text{ l } 80\text{ ml}$

(g) $4\text{ l } 620\text{ ml} \div 3$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 1 \quad 540 \\ 3 \overline{) 4 \quad 620} \\ \underline{3} \\ 1 \quad 6 \\ \underline{1 \quad 5} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

$\therefore 4\text{ l } 620\text{ ml} \div 3 = 1\text{ l } 540\text{ ml}$

(d) $10\text{ l } 54\text{ ml} \div 5$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 2 \quad 109 \\ 5 \overline{) 10 \quad 545} \\ \underline{10} \\ 5 \\ \underline{5} \\ 45 \\ \underline{45} \\ 0 \end{array}$$

$\therefore 10\text{ l } 54\text{ ml} \div 5 = 2\text{ l } 109\text{ ml}$

(f) $9\text{ l } 369\text{ ml} \div 3$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 3 \quad 123 \\ 3 \overline{) 9 \quad 369} \\ \underline{9} \\ 3 \\ \underline{3} \\ 06 \\ \underline{6} \\ 09 \\ \underline{9} \\ 0 \end{array}$$

$\therefore 9\text{ l } 369\text{ ml} \div 3 = 3\text{ l } 123\text{ ml}$

(h) $27\text{ l } 72\text{ ml} \div 9$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 3 \quad 8 \\ 9 \overline{) 27 \quad 72} \\ \underline{27} \\ 72 \\ \underline{72} \\ 0 \end{array}$$

$\therefore 27\text{ l } 72\text{ ml} \div 9 = 3\text{ l } 8\text{ ml}$



Exercise 10.6

$$\begin{array}{r}
 1. \text{ Capacity of 1 glass} = 350 \text{ ml} \\
 \text{Capacity of 8 glasses} = 350 \text{ ml} \\
 \quad \quad \quad \times 8 \\
 \hline
 \quad \quad \quad 2800 \text{ ml}
 \end{array}
 \quad \text{or} \quad 2/800 \text{ ml}$$

$$\begin{array}{r}
 2. \text{ Oil in 1 can} = 5/250 \text{ ml} \\
 \text{Oil in 8 cans} = 5/250 \text{ ml} \\
 \quad \quad \quad \times 8 \\
 \hline
 \text{Oil used in party} = 42/000 \text{ ml}
 \end{array}$$

$$\begin{array}{r}
 3. \text{ Petrol filled in 2 cars} = 10/425 \text{ ml} \\
 \quad \quad \quad \times 2 \\
 \hline
 \quad \quad \quad 20/850 \text{ ml}
 \end{array}$$

$$\begin{array}{r}
 4. \text{ Capacity of Container} = 5 \text{ l} \\
 \quad \quad \quad = 5000 \text{ ml} \\
 \text{Capacity of bottle} = 250 \text{ ml} \\
 \text{Number of bottles can be filled} = 5000 \text{ ml} \div 250 \text{ ml} \\
 \quad \quad \quad = 20
 \end{array}$$

$$\begin{array}{r}
 250 \overline{) 5000} \left(20 \right. \\
 \underline{500} \\
 0000
 \end{array}$$

$$\begin{array}{r}
 5. \text{ Capacity of water tank} = 100 \text{ l} \\
 \text{Capacity of drum} = 10 \text{ l} \\
 \text{Number of drums can be filled} = 100 \text{ l} \div 10 \text{ l} \\
 \quad \quad \quad = 10
 \end{array}$$

$$\begin{array}{r}
 6. \text{ Soft drink in 1 packet} = 100 \text{ ml} \\
 \text{" " 250 packets} = 100 \text{ ml} \\
 \quad \quad \quad \times 250 \text{ ml} \\
 \hline
 \quad \quad \quad 25000 \text{ ml}
 \end{array}$$

25000 ml = 25000 ÷ 1000 l = 25 l soft drink is sold in a day.

$$\begin{array}{r}
 7. \text{ Oil used in a day} = 1/125 \text{ ml} \\
 \text{" " " 1 week (7 days)} = 1/125 \text{ ml} \\
 \quad \quad \quad \times 7 \\
 \hline
 \text{Oil used in a week} = 7/875 \text{ ml}
 \end{array}$$

$$\begin{array}{r}
 8. \text{ Capacity of bottle} = 780 \text{ ml} \\
 \text{Each friend will get} = 780 \text{ ml} \div 4 \\
 \quad \quad \quad = 195 \text{ ml}
 \end{array}$$

$$\begin{array}{r}
 4 \overline{) 780} \left(195 \right. \\
 \underline{4} \\
 38 \\
 \underline{36} \\
 20 \\
 \underline{20} \\
 0
 \end{array}$$

$$\begin{array}{r}
 9. \text{ Oil poured in each lamp} = 5/750 \text{ ml} \div 5 \\
 \quad \quad \quad = 1/150 \text{ ml}
 \end{array}$$

$$\begin{array}{r}
 \text{ l ml} \\
 1 \quad 150 \\
 3 \overline{) 5750} \\
 \underline{5} \\
 7 \\
 \underline{5} \\
 25 \\
 \underline{25} \\
 0
 \end{array}$$

Multiple Choice Questions

1. $7\text{ l } 287\text{ ml} = 7 \times 1000\text{ ml} + 287\text{ ml}$
 $= 7000\text{ ml} + 287\text{ ml} = 7287\text{ ml}$

2. Millimetre

3. 1 Quarter = 250 ml

4.
$$\begin{array}{r} 19\text{ l } 800\text{ ml} \\ - 14\text{ l } 655\text{ ml} \\ \hline 5\text{ l } 145\text{ ml} \end{array}$$

5.
$$\begin{array}{r} \text{doubt of 1st bucket} \quad 2\text{ l } 250\text{ ml} \\ \quad \quad \quad \quad \quad \quad \quad \times 2 \\ \hline 4\text{ l } 500\text{ ml} \\ - 250\text{ ml} \\ \hline \text{capacity of 2nd bucket} \quad 4\text{ l } 250\text{ ml} \end{array}$$

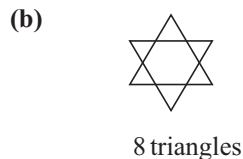
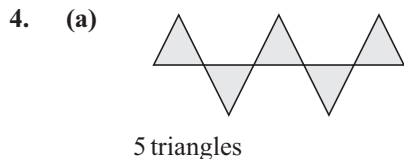
11. GEOMETRICAL SHAPES

Exercise-11.1

1. (a) square = 4 (b) rectangle = 4 (c) triangle = 3
 (d) circle = zero (e) oval = zero

2. Circle and Oval

3. (a) bangle = Circle (b) sandwich = Triangle
 (c) book = Rectangle (d) handkerchief = Square
 (e) coin = Circle (f) matchbox = Rectangle
 (g) bottom of a cup = Circle (h) postcard = Rectangle



Exercise-11.2

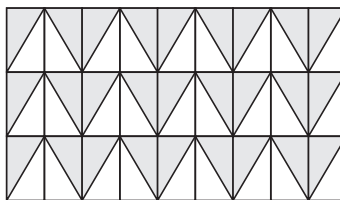
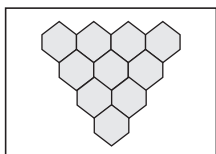
1. (a) A circle has **no** side and **no** vertex.
 (b) A triangle has **3** sides and **3** vertices.
 (c) All the sides of a square are **equal**.
 (d) The opposite sides of a **Rectangle** are equal.
 (e) The sides of a triangle may or may not be equal.
 (f) An oval has no side and no vertex.
 (g) A rectangle has 4 sides and 4 vertices.
2. Do your self
3. Do your self

Exercise-11.3

- Solve the following riddles and name the shapes :
 - I have six faces, all of equal size and eight vertices.
I am a **Cube**. The number of edges I have is **12**.
 - I also have six faces but not of equal size. I have **12** edges.
I am a **cuboid**. I have **8** vertices.
 - Two surfaces, one edge and one vertex make me! I am unique.
I am a **cone**.
 - The planet you live on looks like me! I am a **sphere**.
 - I have no vertices but 2 edges. I am an elongated shape with three faces.
I am a **cylinder**.
- Do your self

Exercise-11.4

- Do your self
- Complete the two floor patterns given below :



FORMATIVE ASSESSMENT-3

- $2506 \text{ g} > 2 \text{ kg } 500 \text{ g}$
 - $4198 \text{ g} = 4 \text{ kg } 198 \text{ g}$
 - $6403 \text{ g} < 6 \text{ kg } 408 \text{ g}$
 - $3 \text{ kg } 8 \text{ g} < 3800 \text{ g}$
- $4016 \text{ mL} = 4000 \text{ ml} + 16 \text{ ml} = 4 \text{ l } 16 \text{ ml}$
 - $2008 \text{ mL} = 2000 \text{ ml} + 8 \text{ ml} = 2 \text{ l } + 8 \text{ ml} = 2 \text{ l } 8 \text{ ml}$
 - $7206 \text{ mL} = 7000 \text{ ml} + 206 \text{ ml} = 7 \text{ l } + 206 \text{ ml} = 7 \text{ l } 206 \text{ ml}$
 - $5001 \text{ mL} = 5000 \text{ ml} + 1 \text{ ml} = 5 \text{ l } 1 \text{ ml}$
- $$\begin{array}{r} 28 \text{ m } 63 \text{ cm} \\ + 10 \text{ m } 2 \text{ cm} \\ \hline 38 \text{ m } 65 \text{ cm} \end{array}$$
 - $$\begin{array}{r} 92 \text{ m } 98 \text{ cm} \\ + 32 \text{ m } 78 \text{ cm} \\ \hline 135 \text{ m } 76 \text{ cm} \end{array}$$
 - $$\begin{array}{r} 7 \text{ m } 43 \text{ cm} \\ + 18 \text{ m } 49 \text{ cm} \\ \hline 25 \text{ m } 92 \text{ cm} \end{array}$$
 - $$\begin{array}{r} 12 \text{ m } 18 \text{ cm} \\ + 2 \text{ m } 14 \text{ cm} \\ \hline 14 \text{ m } 32 \text{ cm} \end{array}$$
- A circle has three vertices. False
 - A square has all sides of equal length. True
 - A rectangle has no vertex. False
 - A triangle can be made with the help of a bangle. False



5.

$$\begin{array}{r} 2 \text{ kg } 800 \text{ g} \\ + 4 \text{ kg } 600 \text{ g} \\ \hline 7 \text{ kg } 400 \text{ g} \end{array}$$

Rice in the tin

6. (a)
$$\begin{array}{r} 3 \text{ L } 125 \text{ mL by } 3 \\ 3 \text{ l } 125 \text{ ml} \\ \times 3 \\ \hline 9 \text{ l } 375 \text{ ml} \end{array}$$

(b)
$$\begin{array}{r} 5 \text{ L } 240 \text{ mL by } 4 \\ 5 \text{ l } 240 \text{ ml} \\ \times 4 \\ \hline 20 \text{ l } 960 \text{ ml} \end{array}$$

(c)
$$\begin{array}{r} 8 \text{ L } 600 \text{ mL by } 8 \\ 8 \text{ l } 600 \text{ ml} \\ \times 8 \\ \hline 68 \text{ l } 800 \text{ ml} \end{array}$$

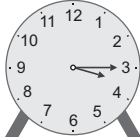

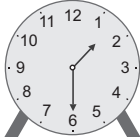
7. (a)
$$\begin{array}{r} 2 \text{ kg } 800 \text{ g} \\ + 16 \text{ kg } 250 \text{ g} \\ \hline 78 \text{ kg } 490 \text{ g} \end{array}$$

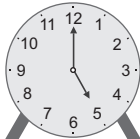
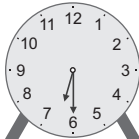
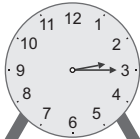
(b)
$$\begin{array}{r} 8 \text{ kg } 30 \text{ g} \\ + 7 \text{ kg } 670 \text{ g} \\ \hline 15 \text{ kg } 700 \text{ g} \end{array}$$

8. (a) 1 km = 1000 m (b) 1 cm = 10 mm

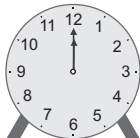
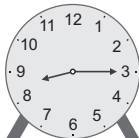
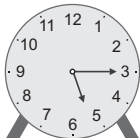
12. TIME

Exercise-12.1


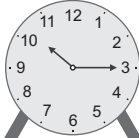
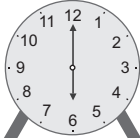
1. (a)  (b)  (c) 

2. (a)  (b)  (c) 

5 o'clock Half past six Quarter past two

(d)  (e)  (f) 

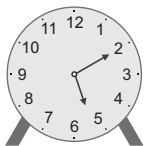
12'o clock Quarter past eight Quarter past 5

(e)  (f)  (g) 

half past four Quarter past ten 6 o'clock

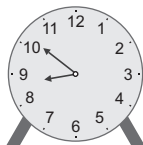
Exercise-12.2

1. (a)



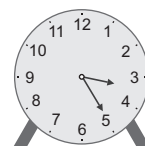
10 minutes past 5
5 : 10

(b)



10 minutes to 9
8 : 50

(c)



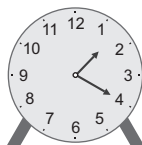
25 minute past 3
3 : 25

(d)



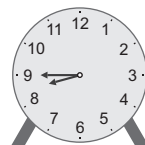
Ten past seven
7 : 10

(e)



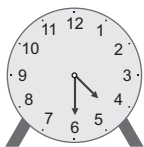
Twenty minute past one
1 : 20

(f)



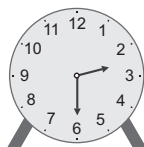
15 minutes nine
8 : 45

(e)

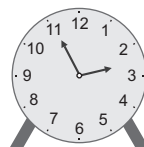


Half past four
4 : 30

3. (a)

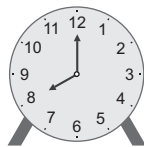


2 : 30

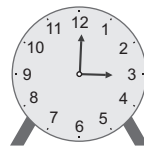


After 25 minutes

(b)

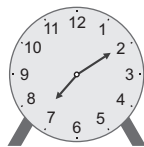


8 : 00

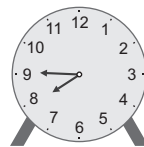


After 7 hours

(c)

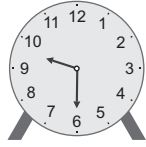


7 : 10

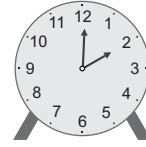


After 35 minutes

(d)



9 : 30



After 4 and half four

4. (a) 35 minutes past 3 is the same as 25 minutes to 4.
(b) 50 minutes past 2 is the same as 10 minutes to 10.
(c) 48 minutes past 2 is the same as 12 minutes to 3
(d) 55 minutes past 5 is the same as 5 minutes to 5
(e) 40 minutes past 20 is the same as 20 minutes to 7
5. (a) The hour hand takes 6 hours to move from 3 to 9.
(b) The minute hand takes 5 minutes to move from one long division to another.
(c) There is a difference of $\frac{1}{2}$ an hour or of 30 minutes between quarter past three and quarter to four.
(d) The minute hand takes one complete round of the clock in 60 minutes or 1 hour.
(e) The hour hand takes 6 hours to move from 12 to 6.
6. (a) Taking bath 5 minutes/5 hours ✓
(b) Sleeping in the night 8 minutes/8 hours ✓
(c) Brushing your teeth 3 minutes/3 hours ✓
(d) Doing homework 1 hour/10 hours ✓
(e) Playing with friends 2 minutes/2 hours ✓

Exercise-12.3

1. (a) 6 o'clock in morning: 6 am
(b) Eleven fifteen at night: 11 : 15 pm
(c) Half past four in the evening: 4 : 30 pm
(d) Quarter to one during noon: 12 : 45 pm
(e) 12:40 in the afternoon : 12 : 40 pm
(f) 4:05 after midnight 4 : 05 am
2. (a) I go to school at 7 am/pm. ✓
(b) I go to play at 4 am/pm. ✓
(c) I come back from school at 1 pm/am. ✓
(d) I take dinner at 9 pm/am. ✓
(e) My father watches the evening news at 8 am/pm.
(f) I go to bed at 10 am/pm. ✓

Exercise -12.4

1. (a) 5 hours = 5×60 minutes = 300 minutes
(b) 19 hours = 19×60 minutes = 1140 minutes
(c) 6 hours 15 minutes = 6×60 minutes + 15 minutes
= 360 minutes + 15 minutes
= 375 minutes
(d) 7 hours 20 minutes
= 7×60 minutes + 20 minutes
= 420 minutes + 20 minutes
= 440 minutes
(e) 12 hours 10 minutes = 12×60 minutes + 10 minutes
= 720 minutes + 10 minutes
= 730 minutes
(f) 6 hours 30 minutes
= 6×60 minutes + 30 minutes
= 360 minutes + 30 minutes
= 390 minutes
2. (a) 1 hour 15 minutes = 1×60 minutes + 15 minutes
= 60 minutes + 15 minutes
length of movie = 75 minutes
(b) Charu spend time on Monday 1 hr 0 m
Charu spend time on Tuesday + 1 hr 30 m
total time spend 2 hr 30 m
 \therefore 2 hr 30 m = 2×60 minutes + 30 minutes
= 120 minutes + 30 minutes
= 150 minutes
Charu spend time in minutes = 150 minutes
(c) 5 h 26 minutes = 5×60 minutes + 26 minutes
Athlete complete the race in = 326 minutes
(d) opened for 8 : 15 am
 7 : 30 am

 : 45 minutes
(e) 3 hours 30 minutes = 3×60 minutes + 30 minutes
= 180 minutes + 30 minutes
It takes = 210 minutes to reach grand father house

Exercise 12.5

1. (a) The first day of the year is 1 January
(b) Christmas is on 25 December
(c) There are 5 Sundays in November.
(d) February has generally 28 days.
(e) The eight month of the year is August.
(f) October is the 10th month of the year.

- (g) Write the name of any one month which has 5 Sundays. January
 (h) A leap year has 29 days.
 (i) When is your birthday? Which day is it this year? Yourself
2. Was the year in which India got Independence a leap year?
 No.
3. Encircle the leap year :
 1993m 1996, 1998, 2004, 2003, 2012
4. 52 weeks

Exercise-12.6

1. (a) 9 month 2 weeks = 9×30 days + 2×7 days
 = 270 days + 14 days
 = 284 days
- (b) June + 3 weeks + 20 days
 = 30 days + 3×7 days + 20 days
 = 30 days + 21 days + 20 days
 = 71 days
- (c) February + March + October
 = 28 days + 31 days + 31 days
 = 90 days
- (d) April + 9 days = 30 days + 9 days
 = 39 days
- (e) 3 weeks + 4 days = 3×7 days + 4 days
 = 21 days + 4 days
 = 25 days
- (f) 2 weeks + 3 weeks
 = 2×7 days + 3×7 days
 = 14 days + 21 days
 = 35 days
2. (a) 2 days = 2×24 hours = 48 hours
 (b) 1 week = 1×7 days
 = $1 \times 7 \times 24$ hours
 = 168 hours
- (c) $2\frac{5}{2}$ days = $\frac{5}{2}$ days = $\frac{5}{2} \times 24$ hours = 5×12 hours = 60 hours
- (d) 5 days = 5×24 hours = 120 hours
- (e) 2 days + 2 hours = 2×24 hours + 2 hours
 = 48 hours + 2 hours
 = 50 hours
- (f) 10 days + 10 hours
 = 10×24 hours + 10 hours
 = 240 hours + 10 hours
 = 250 hours

3. (a) May + June + 1 week
 $= 31 \text{ days} + 30 \text{ days} + 7 \text{ days} = 68 \text{ days}$
- (b) $\frac{1}{2}$ day + 2 hours
 $= \frac{1}{2} \times 24 \text{ hour} + 2 \text{ hours}$
 $= 12 \text{ hours} + 2 \text{ hours} = 14 \text{ hours}$
 \therefore lift stopped for 14 hours
- (c) 2 days $3\frac{1}{2}$ hours
 $= 2 \times 24 \text{ hours} + 3\frac{1}{2} \text{ hours}$
 $= 48 \text{ hours} + 3\frac{1}{2} \text{ hours}$
 $= 51\frac{1}{2} \text{ hours}$
 \therefore hiking trip last for $51\frac{1}{2}$ hours







Multiple Choice Questions

- | | | |
|---------------|--------------------------------|--------------|
| 1. 6 hours | 2. $6 \times 60 = 360$ minutes | 3. 24 times |
| 4. 7 months | 5. July | 6. September |
| 7. 5 : 45 | 8. 6 : 45 | 9. 2 : 40 |
| 10. 10 : 25 | 11. 6 : 30 | 12. 12 : 00 |
| 13. 240 hours | | |

13. MONEY

Exercise-13.1

1. (a) ₹ 18.36 = Eighteen rupees and thirty-six paise
 (b) ₹ 10.05 = Ten Rupees and five paise
 (c) ₹ 49.50 = Forty nine rupees and fifty paise
 (d) ₹ 68.35 = Sixty eight rupees and thirty five paise
 (e) ₹ 48.40 = Forty eight rupees and forty paise
 (f) ₹ 73.75 = Seventy three rupees and seventy five paise
2. (a) Twenty rupees and thirty paise ₹ 20.30
 (b) Sixty-seven rupees and fifty paise ₹ 67.50
 (c) Forty-eight rupees and twenty-five paise ₹ 48.25
 (d) Thirty rupees and forty paise ₹ 30.40
 (e) Twenty-one rupees and five paise ₹ 21.05
3. (a) There are one hundred 10 p in ₹ 10
 (b) There are ten ₹ 10 in 100.
 (c) There are eight 25 p in ₹ 2.
 (d) There are ten ₹ 5 in ₹ 50.
 (e) There are hundred 50 p in ₹ 50.

4. (a)  Eighty three rupees and fifty paise = ₹ 83.50
- (b)  Forty three rupees fifty paise = ₹ 43.50
- (c)  Seventy rupees = ₹ 70
- (d)  Thirty one rupees = ₹ 31
- (e)  Five hundred twenty five rupees = ₹ 525
- (f)  One hundred seventy one rupees and fifty paise = ₹ 171.5

Exercise 13.2

1. (a) ₹ 5 = 500 p (b) ₹ 20 = 2000 p (c) ₹ 7.50 = 750 p
 (d) ₹ 8.40 = 840 p (e) ₹ 16.90 = 1690 p (f) ₹ 6.75 = 675 p
 (g) ₹ 4 = 400 p (h) ₹ 16.50 = 1650 p
2. (a) 7005 p = ₹ 70.05 = seventy rupees and five paise'
 (b) 530 p = ₹ 5.30 = five rupees and thirty paise
 (c) 60 p = ₹ 0.60 = zero rupees and sixty paise
 (d) 3000 p = ₹ 30.00 = thirty rupees and zero paise
 (e) 960 p = ₹ 9.60 = Nine rupees and sixty paise
 (f) 640 p = ₹ 6.40 = six rupees and forty paise
 (g) 4010 p = ₹ 40.10 = forty rupees and ten paise
 (h) 1010 p = ₹ 10.10 = Ten rupees and Ten paise.

Exercise 13.3

1. (a)
$$\begin{array}{r} ₹ 16 . 25 \\ + ₹ 43 . 65 \\ \hline ₹ 59 . 90 \end{array}$$
 (b)
$$\begin{array}{r} ₹ 112 . 64 \\ + ₹ 321 . 32 \\ \hline ₹ 433 . 96 \end{array}$$
 (c)
$$\begin{array}{r} ₹ 20 . 60 \\ + ₹ 34 . 35 \\ \hline ₹ 54 . 95 \end{array}$$

$$\begin{array}{r} \text{(d)} \quad ₹ 36.48 \\ + ₹ 21.60 \\ \hline ₹ 58.08 \end{array}$$

$$\begin{array}{r} \text{(e)} \quad ₹ 50.00 \\ + ₹ 19.68 \\ \hline ₹ 69.68 \end{array}$$

$$\begin{array}{r} \text{(f)} \quad ₹ 65.70 \\ + ₹ 12.22 \\ \hline ₹ 77.92 \end{array}$$

$$\begin{array}{r} \text{2. (a)} \quad ₹ 78.85 \\ - ₹ 30.25 \\ \hline ₹ 48.60 \end{array}$$

$$\begin{array}{r} \text{(b)} \quad ₹ 88.90 \\ - ₹ 48.65 \\ \hline ₹ 40.25 \end{array}$$

$$\begin{array}{r} \text{(c)} \quad ₹ 29.70 \\ - ₹ 14.10 \\ \hline ₹ 15.60 \end{array}$$

$$\begin{array}{r} \text{(d)} \quad ₹ 75.65 \\ - ₹ 23.80 \\ \hline ₹ 51.85 \end{array}$$

$$\begin{array}{r} \text{(e)} \quad ₹ 67.95 \\ - ₹ 43.55 \\ \hline ₹ 24.40 \end{array}$$

$$\begin{array}{r} \text{(f)} \quad ₹ 68.70 \\ - ₹ 45.90 \\ \hline ₹ 22.80 \end{array}$$

$$\begin{array}{r} \text{3. (a)} \quad ₹ 45.16 \\ + ₹ 23.89 \\ \hline ₹ 69.05 \end{array}$$

$$\begin{array}{r} \text{(b)} \quad ₹ 67.30 \\ - ₹ 48.85 \\ \hline ₹ 18.45 \end{array}$$

$$\begin{array}{r} \text{(c)} \quad ₹ 54.00 \\ - ₹ 39.89 \\ \hline ₹ 14.11 \end{array}$$

$$\begin{array}{r} \text{(d)} \quad ₹ 92.10 \\ + ₹ 78.98 \\ \hline ₹ 171.08 \end{array}$$

$$\begin{array}{r} \text{(e)} \quad ₹ 74.20 \\ - ₹ 29.65 \\ \hline ₹ 44.55 \end{array}$$

$$\begin{array}{r} \text{(f)} \quad ₹ 36.70 \\ - ₹ 48.85 \\ \hline ₹ 85.55 \end{array}$$

Exercise 13.4

$$\begin{array}{l} \text{1. Spend on book} = ₹ 15.88 \\ \text{" " stickers} = ₹ 8.50 \\ \text{" " Pencil} = ₹ 05.50 \\ \hline \text{total spend} = ₹ 29.88 \end{array}$$

$$\begin{array}{l} \text{3. Cost of chips} ₹ 10.00 \\ \text{Cost of Coco-cola} ₹ 22.65 \\ \text{Cost of toffee packet} + ₹ 14.50 \\ \hline \text{Total cost} ₹ 47.15 \end{array}$$

$$\begin{array}{l} \text{5. Rajat had} ₹ 35.50 \\ \text{He spent} - ₹ 17.75 \\ \hline \text{left} ₹ 17.75 \end{array}$$

$$\begin{array}{l} \text{2. Cost of pencil} ₹ 18.50 \\ \text{" " Pen} + ₹ 7.75 \\ \hline \text{Money needed} ₹ 26.25 \end{array}$$

$$\begin{array}{l} \text{4. Puja had} ₹ 50.80 \\ \text{Father gave} + ₹ 37.25 \\ \hline \text{Puja now had} ₹ 88.05 \end{array}$$

$$\begin{array}{l} \text{6. Spent on potatoes} ₹ 35.50 \\ \text{Spend on onions} + ₹ 18.75 \\ \hline \text{Total expenditure} ₹ 54.25 \end{array}$$

Exercise 13.5

$$\begin{array}{r} \text{1. (a)} \quad ₹ 12 \\ \quad \times 8 \\ \hline ₹ 96 \end{array}$$

$$\begin{array}{r} \text{(b)} \quad ₹ 19 \\ \quad \times 5 \\ \hline ₹ 95 \end{array}$$

$$\begin{array}{r} \text{(c)} \quad ₹ 53 \\ \quad \times 9 \\ \hline ₹ 477 \end{array}$$

$$\therefore ₹ 12 \times 8 = ₹ 96$$

$$\therefore ₹ 19 \times 5 = ₹ 95$$

$$\therefore ₹ 53 \times 9 = ₹ 477$$

$$\begin{array}{r} \text{(d)} \quad \text{₹ } 42.60 \\ \quad \times 3 \\ \hline \text{₹ } 127.80 \end{array}$$

$$\therefore \text{₹ } 42.60 \times 3 = \text{₹ } 127.80$$

$$\begin{array}{r} \text{(f)} \quad \text{₹ } 67.85 \\ \quad \times 2 \\ \hline \text{₹ } 135.70 \end{array}$$

$$\therefore \text{₹ } 67.85 \times 2 = \text{₹ } 135.70$$

$$\begin{array}{r} 2. \text{ (a)} \quad \text{₹ } 34.45 \\ \quad \times 10 \\ \hline 0000 \\ 3445 \times \\ \hline \text{₹ } 344.50 \end{array}$$

$$\therefore \text{₹ } 34.45 \times 10 = \text{₹ } 344.50$$

$$\begin{array}{r} \text{(c)} \quad \text{₹ } 10.05 \\ \quad \times 6 \\ \hline \text{₹ } 60.30 \end{array}$$

$$\therefore \text{₹ } 10.5 \times 6 = \text{₹ } 60.30$$

$$\begin{array}{r} \text{(e)} \quad \text{₹ } 14.45 \\ \quad \times 6 \\ \hline \text{₹ } 86.70 \end{array}$$

$$\therefore \text{₹ } 14.45 \times 6 = \text{₹ } 86.70$$

$$\begin{array}{r} \text{(b)} \quad \text{₹ } 6.25 \\ \quad \times 7 \\ \hline \text{₹ } 43.75 \end{array}$$

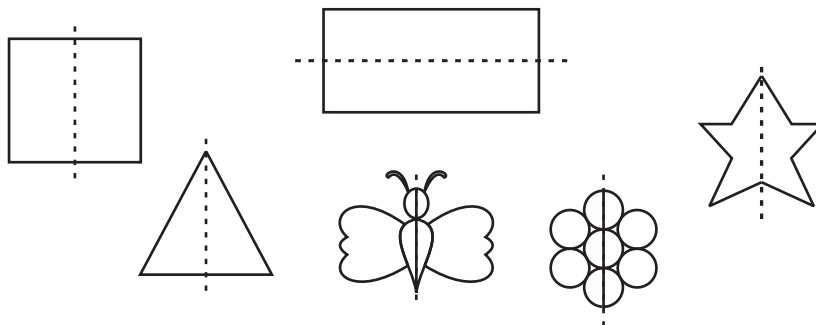
$$\therefore \text{₹ } 6.25 \times 7 = \text{₹ } 43.75$$

$$\begin{array}{r} \text{(d)} \quad \text{₹ } 74.45 \\ \quad \times 100 \\ \hline 0000 \\ 000 \times \\ 7445 \times \times \\ \hline \text{₹ } 7445.00 \end{array}$$

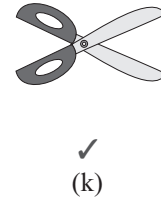
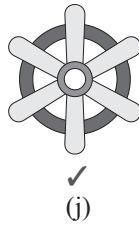
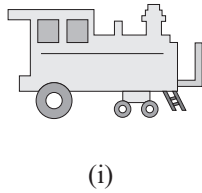
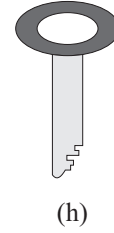
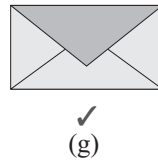
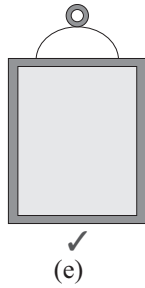
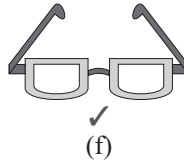
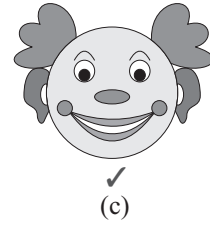
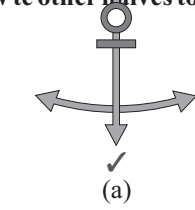
$$\therefore \text{₹ } 74.45 \times 100 = \text{₹ } 7445.00$$

14. PATTERNS

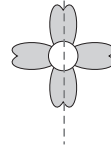
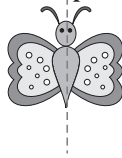
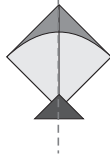
Exercise-14.1



1. Draw the other halves to make them symmetrical shapes :

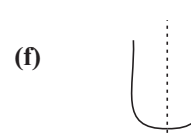
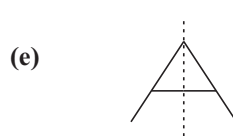
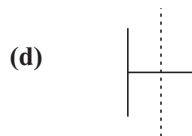
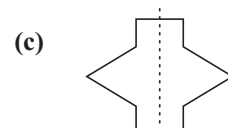
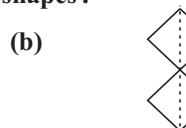
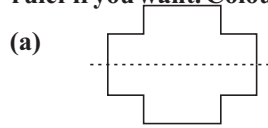


2. Use a dotted line to divide the shapes into two halves:



Exercise-14.2

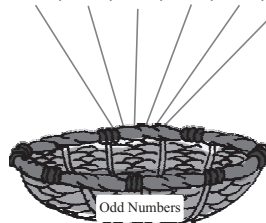
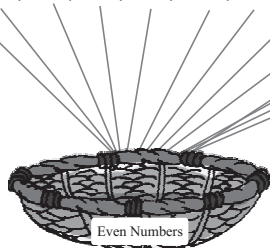
1. Draw the other half of the following figures so that they are symmetrical. Use a ruler if you want. Colour the shapes :



Exercise-14.3

1. Draw a lines to put the number basket :

604, 990, 764, 320, 786, 440, 202, 100, 400, 532, 20, 44, 86 221, 345, 665, 589, 351, 75



2. (a) 10, 20, 30, 40, 50, 60, 70
 (b) 20, 19, 18, 17, 16, 15, 14
 (c) 12, 17, 22, 32, 37, 42
 (d) 63, 66, 69, 72, 75, 78, 81
 (e) 2, 4, 6, 8, 10, 12, 14
3. (a) 17 and 33 = 18, 20, 22, 24, 26, 28, 30, 32
 (b) 55 and 71 = 56, 58, 60, 62, 64, 66, 68, 70
 (c) 95 and 113 = 96, 98, 100, 102, 104, 106, 108, 110, 112
4. (a) 20 and 36 = 21, 23, 25, 27, 29, 31, 33, 35
 (b) 68 and 84 = 69, 71, 73, 75, 77, 79, 81, 83
 (c) 98 and 112 = 99, 101, 103, 105, 107, 109, 111

Exercise-14.4

1. (a)
$$\begin{array}{r} 2 \\ + 4 \\ \hline 6 \end{array}$$
 (b)
$$\begin{array}{r} 8 \\ + 6 \\ \hline 14 \end{array}$$
 (c)
$$\begin{array}{r} 12 \\ + 4 \\ \hline 16 \end{array}$$
 (d)
$$\begin{array}{r} 26 \\ + 8 \\ \hline 34 \end{array}$$
 (e)
$$\begin{array}{r} 42 \\ + 14 \\ \hline 56 \end{array}$$
2. (a) even
$$\begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array}$$
 (b) even
$$\begin{array}{r} 9 \\ + 5 \\ \hline 14 \end{array}$$
 (c) even
$$\begin{array}{r} 11 \\ + 7 \\ \hline 18 \end{array}$$
 (d) even
$$\begin{array}{r} 17 \\ + 9 \\ \hline 26 \end{array}$$
 (e) even
$$\begin{array}{r} 23 \\ + 15 \\ \hline 38 \end{array}$$
3. (a) even
$$\begin{array}{r} 7 \\ + 4 \\ \hline 11 \end{array}$$
 (b) even
$$\begin{array}{r} 9 \\ + 6 \\ \hline 15 \end{array}$$
 (c) even
$$\begin{array}{r} 8 \\ + 5 \\ \hline 13 \end{array}$$
 (d) even
$$\begin{array}{r} 12 \\ + 7 \\ \hline 19 \end{array}$$
 (e) even
$$\begin{array}{r} 23 \\ + 14 \\ \hline 37 \end{array}$$
4. (a) $77 - 35 = 42$ (b) $89 - 41 = 48$
 (c) $49 - 21 = 28$ (d) $613 - 213 = 400$
 (e) $117 - 105 = 12$ (f) $55 - 11 = 44$

This shows that when two odd numbers are subtracted, the answer is always **even**.



5. (a) $2 \times 2 = 2$ (b) $5 \times 6 = 30$ (c) $2 \times 3 = 6$
 (d) $5 \times 5 = 25$ (e) $3 \times 3 = 9$ (f) $6 \times 6 = 36$
 (g) $13 \times 8 = 104$ (h) $12 \times 10 = 120$ (i) $13 \times 13 = 169$
 (j) $10 \times 5 = 50$
6. (a) an odd and an even number, we get an **even** number.
 (b) an odd and a odd number, we get an **odd** number.
 (c) an even and an even number, we get an **even** number.

15. DATA HANDLING

Exercise-15

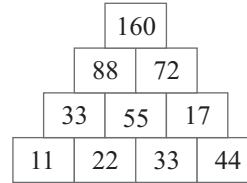
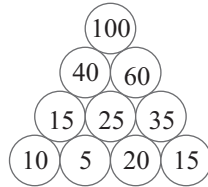
1. (a) Megha (b) Priya (c) 30 (d) 40
 2. (a) Tuesday (b) Monday (c) Thursday
 (d) Wednesday, Friday (e) 175 books
 3. (a) Wednesday (b) 165 (c) 30 (d) 80
 (e) Tuesday

Example :

- (a) 8 (b) 1 (c) No (d) 4
 (e) 2

Formative Assessment-1

1. (a) (b)



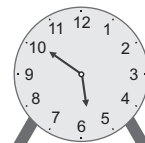
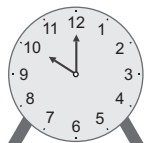
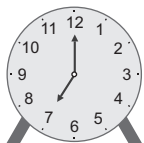
2. (a) 45 minutes past 1 is the same as a quarter to 2.
 (b) 45 minutes past 9 is the same as a quarter to 10.
 (c) 45 minutes past 6 is the same as a quarter to 7.
 (d) 45 minutes past 3 is the same as a quarter to 4.
3. (a) 1001 p = ₹ 10.01 (b) 8970 p = ₹ 89.70
 (c) 562 p = ₹ 5.62 (d) 2309 p = ₹ 23.09
4. (a) 1973 (b) 1996
 (c) 2010 (d) 2000
5. (a) ₹ 16.75 = Sixteen rupees and seventy five paise
 (b) ₹ 33.64 = Thirty three rupees and sixty four paise
 (c) ₹ 44.35 = Forty four rupees and thirty five paise
6. (a) 20 and 36 = 21, 23, 25, 27, 29, 31, 33, 35
 (b) 68 and 84 = 69, 71, 73, 75, 77, 79, 81, 83
 (c) 98 and 112 = 99, 101, 103, 105, 107, 109, 111

Summative Assessment-2

1. Write the correct measure (m, cm, or km) for each of the following :

- (a) Width of a notebook = cm
 (b) Height of a door = m
 (c) Distance from Delhi to Agra = Km
 (d) Length of a paper clip = cm

2. (a) 7:00 (b) 10 o'clock (c) 10 minutes to 6



3. Cost of balls = ₹ 49.75

$$\begin{array}{r} 49.75 \\ \times 2 \\ \hline ₹ 99.50 \end{array}$$

4.

110	100	90	80	70	60	50	40
11	10	9	8	7	6	5	4

5. cube = dice ; cuboid = box ; sphere = ball, cone = Joker's cap; cylinder = glass

6. Do your self.

7. (a) 24 hours = 1 day (b) 72 hours = 3 days
 (c) 120 minutes = 2 hours (d) 60 minutes = 1 hour
8. (a) ₹ 18.36 = Eighteen rupees and thirty six paise
 (b) ₹ 10.05 = Ten rupees and five paise
 (c) ₹ 46.50 = Forty five and fifty paise
 (d) ₹ 68.35 = Sixty eight rupees and thirty five paise.